





# DAISY BOURASSA, PHD

## CONTACT


-  (603) 303-3004
-  dbourassa@agnesscott.edu
-  Decatur, GA
-  [Linkedin Account](#)

## EDUCATION

### Doctorate in Chemistry

-  Georgia Institute of Technology  
Graduation: May 2016  
Presidential Fellow

### Bachelor of Science in Biochemistry

-  Simmons College, Boston, MA  
Graduation: May 2010  
Magna Cum Laude

## PROFILE

Experienced and passionate educator, creative thinker, and innovative problem solver. Engaged in developing and empowering future scientists through a holistic approach creating deeper knowledge and lifelong learners. Dedicated to educating the global leaders of tomorrow. Skilled in curricular & extra-curricular program development, program assessment, student development, and written communication.

## EXPERIENCE

- Teaching college Chemistry courses
- Facilitating STEM outreach programs with K-12 and undergraduate students
- Mentoring and supervising undergraduate student leaders and graduate students
- Biochemistry research as doctoral student
- Creating and advising collegiate Living Learning Communities
- Maintaining program budget of \$10,000
- Preparing departmental learning objectives and assessment documents
- Implementation and assessment of student programming

## CURRENT POSITION SUMMARY

### Assistant Director of Residential Education

Agnes Scott College, Office of Residence Life

- Developed the education and engagement curriculum for the residence halls
- Created three new Living Learning Communities including the Leadership Development, Global Learning and Women in STEM House
- Oversee the Generating Excellence in Math and Science (GEMS) Living Learning Community for first year students

### Adjunct Chemistry Professor

Agnes Scott College, Chemistry Department

- Instructor an Organic Chemistry I and Biochemistry courses each with 16-22 undergraduate students
- Planned and facilitated an interactive course complete with hands on modeling and group work
- Developed new quizzes, exams, homework, lecture slides, handouts and other course material

## RESEARCH TECHNIQUES

Mammalian Cell Culture	<div style="width: 100%;"><div style="width: 100%;"></div></div>
Multi-photon Microscopy	<div style="width: 100%;"><div style="width: 90%;"></div></div>
X-ray Fluorescence	<div style="width: 100%;"><div style="width: 80%;"></div></div>
Zebrafish Husbandry	<div style="width: 100%;"><div style="width: 70%;"></div></div>
Immunohistochemistry	<div style="width: 100%;"><div style="width: 85%;"></div></div>
Flow Cytometry	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Neuron Culture	<div style="width: 100%;"><div style="width: 60%;"></div></div>
Transfection	<div style="width: 100%;"><div style="width: 90%;"></div></div>
Cell Synchronization	<div style="width: 100%;"><div style="width: 80%;"></div></div>
Toxicity Assays	<div style="width: 100%;"><div style="width: 85%;"></div></div>
Tomography Analysis	<div style="width: 100%;"><div style="width: 70%;"></div></div>
Embryo Microinjection	<div style="width: 100%;"><div style="width: 95%;"></div></div>
Data Processing	<div style="width: 100%;"><div style="width: 90%;"></div></div>

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## TEACHING EXPERIENCE

### Adjunct Chemistry & Biochemistry Professor

Agnes Scott College, Chemistry Department

Fall 2017 - Present

Decatur, GA

- Instructor of record for Organic Chemistry I (Fall 2017, Fall 2018 and Spring 2019)
- Instructor of record for Medicinal Biochemistry (Spring 2018 & 2019) and Intro to Biochemistry (Fall 2019)
- Planned and facilitated an interactive course complete with hands on modeling and group work
- Developed new quizzes, exams, homework, lecture slides, handouts and other course material
- Conduct weekly assessment of teaching skills with student survey responses
- Provide individual assistance to students throughout the week outside of scheduled office hours
- Work with department faculty as a cohesive team in administrative tasks
- Work as the faculty representative in residential education by overseeing the Generating Excellence in Math and Science Living Learning Community and the STEM House Living Learning Community.

### Student-Teacher Biochemistry I

Georgia Institute of Technology, Center for the Enhancement of Teaching and Learning

Fall 2015

Atlanta, GA

- Student-taught a Biochemistry course for 20 undergraduate students at Agnes Scott College
- Met weekly with a cohort of graduate students to discuss lesson plans, approaches, challenges, etc.
- Worked closely with an Agnes Scott College professor to better understand practical teaching methods while helping students with material both inside and outside of the classroom
- Performed 4 full-class deliveries (90 minutes) throughout the semester to practice teaching skills

### Undergraduate Chemistry Research Supervisor & Teaching Assistant

Georgia Institute of Technology, Department of Chemistry and Biochemistry

2010 - 2015

Atlanta, GA

- Advise undergraduate and high school students in research procedures, techniques, and lab safety
- Mentor undergraduate students on graduate school decisions
- Served as the primary laboratory instructor for a junior level Organic Chemistry II course
- Prepared and presented corresponding lecture material
- Led study sessions and held office hours to tutor students one on one

### Laboratory Teaching Assistant

Simmons College, Department of Chemistry

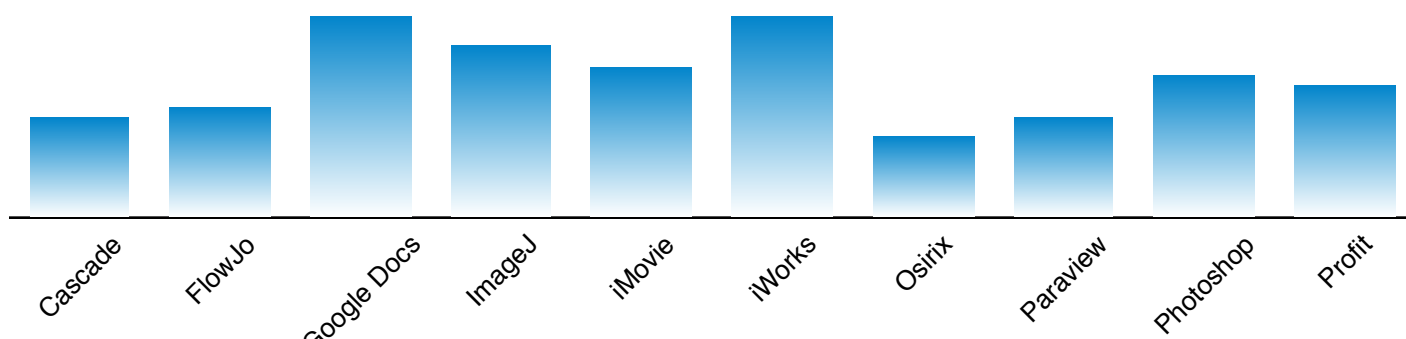
2007 - 2010

Boston, MA

- Facilitated Introductory and Organic Chemistry I and II laboratory sections
- Prepared required materials needed in the laboratory each week
- Taught students proper use of various instruments in the laboratory
- Conducted weekly group/problem sessions in General and Organic Chemistry I and II

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## TECHNOLOGY AND SOFTWARE PROFICIENCY



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## STUDENT AFFAIRS EXPERIENCE

### **Assistant Director of Residential Education**

Agnes Scott College, Office of Residence Life

**2017 - Present**

Decatur, GA

- Develop the residence education curriculum for Living Learning Communities, special interest housing and educational student programming.
- Oversee the Generating Excellence in Math and Science (GEMS) Living Learning Community for first year students.
- Collaborate with a wide variety of administrative and academic departments across the college community to develop and promote a robust residential co-curricular experience for students.
- Conduct formal and informal assessments to determine the programming needs of residents.
- Created three new upperclass student Living Learning Communities for Fall 2018; the Global Learning House, Leadership Development House and STEM House
- Manage the residential programming budget of \$8,000 on a campus of 900 students.
- Responsible for wellness programming on campus and Title IX training for student leaders.
- Serve in the Dean of Students on-call rotation responding to campus emergencies including physical health, mental health, drug prevention and major facilities concerns.
- Participate in professional development trainings focused on student education and wellbeing.
- Supervise a staff of 5 graduate assistants and 30 student resident assistants.
- Organize and lead student trainings on a wide range of topics including integrity, emergency response, building community in the residence hall and facilitating mediations.
- Responsible for summer housing assignments and billing.

### **Community Director and Residential Learning Coordinator**

Agnes Scott College, Office of Residence Life

**2015 - 2017**

Decatur, GA

- Identical tasks outlined in the Graduate Hall Director position with additional responsibilities.
- Lead weekly staff meetings of 28 student and paraprofessional staff members.
- Manage budgets of 10 student Resident Assistants and three Living Learning Communities.
- Responsible for managing the programming budget, purchasing necessary items, and filing expense reports

### **Graduate Hall Director**

Agnes Scott College, Office of Residence Life

**2011 - 2015**

Decatur, GA

- Live in and manage the day to day operations of student apartments housing approximately 100 undergraduates.
- Manage the day to day operations of both theme houses and traditional residence halls housing approximately 200 undergraduate students.
- Supervise, evaluate and mentor 10 student assistants to facilitate their professional development.
- Direct the Theme House selection process consisting of informational sessions, composing the application, interviewing student groups and compiling staff evaluations.
- Implement needs based programming in the residence halls and on campus.
- Advise/refer students to resources on matters of personal, social, and academic concerns.
- Serve on on-call duty rotation for student crisis response
- Assist in the selection, training, and recognition of student staff.
- Coordinate the annual campus open house for the housing selection process.

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## RESEARCH EXPERIENCE

### Post-Doctoral Research Fellow

Georgia Institute of Technology

PI: Dr. Christoph Fahrni

May 2016 - April 2017

- Visualized zinc and copper dynamics in proliferating cells using multi-photon microscopy
- Responsible for publishing original scientific research, collaborating to prepare research grants, and mentoring both undergraduate and graduate students.

### Graduate Research Assistant

Georgia Institute of Technology

Thesis Advisor: Dr. Christoph Fahrni

September 2010 - May 2016

- Visualized zinc dynamics during embryogenesis
- Generated volumetric elemental maps during key stages of embryonic development of the zebrafish using synchrotron x-ray fluorescence microtomography
- Correlated free zinc pools during zebrafish embryogenesis with proliferating cells using transgenic FUCCI zebrafish

### Undergraduate Research Assistant

Simmons College

Thesis Advisor: Dr. Nancy Lee

September 2006 - May 2010

- Explored new green synthesis technique for the solid-state asymmetric reduction of target ketones
- Synthesized a chiral reagent to produce a single enantiomer
- Analyzed results using a chiral column in a GC, H-NMR, C-NMR and IR spectroscopy

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## PUBLICATIONS

Morgan, M.; **Bourassa, D.**; Harankhedkar, S.; McCallum, A.; Zlatic, S.; Calvo, J.; Meloni, G.; Faundez, V.; Fahrni, C. "Ratiometric Two-Photon Microscopy Reveals Attomolar Copper Buffering in Normal and Menkes Mutant Cells", *PNAS*, 2019, currently online-only, pre-publication. DOI:10.1073/pnas.1900172116 ([here](#))

Morgan, M.; Yang, B.; Harankhedkar, S.; Nabatilan, A.; **Bourassa, D.**; McCallum, A.; Sun, F.; Wu, R.; Forest, C.; Fahrni, C. "Stabilization of Aliphatic Phosphines by Auxiliary Phosphine Sulfides Offers Zeptomolar Affinity and Unprecedented Selectivity for Probing Biological Cu-I", *Angewandte Chemie*, 2018, 57(31), 9711-9715 ([here](#))

**Bourassa, D.**; Elitt, C.; McCallum, A.; Sumalekshmy, S.; McRae, R.; Morgan, M.; Siegel, N.; Perry, J.; Rosenberg, P.; Fahrni, C. "Chromis-1, A Ratiometric Fluorescent Probe Optimized for Two-Photon Microscopy Reveals Dynamic Changes in Labile Zn(II) in Differentiating Oligodendrocytes", *ACS Sensors*, 2018, 3(2), 458-467 ([here](#))

Fahrni, C.; **Bourassa, D.**; Dikdan, R. "Probing Biological Trace Metals with Fluorescent Indicators." *Metals in the Brain*. Ed. Anthony R. White. New York: Humana Press. 2017. 71-107

**Bourassa, D.**; Gleber, S.; Vogt, S.; Shin, C.; Fahrni, C. "MicroXRF Tomographic Visualization of Zinc and Iron in the Zebrafish Embryo at the Onset of the Hatching Period", *Metallomics*, 2016, 8, 1122-1130 ([here](#))

Chen, Y.; Jablonski, A.; Issaeva, I., **Bourassa, D.**; Hsiang, J.; Fahrni, C.; Dickson, R. "Optically Modulated Photoswitchable Fluorescent Proteins Yield Improved Biological Imaging Sensitivity", *Journal of the American Chemical Society*, 2015, 137(40), 12764-12767 ([here](#))

**Bourassa, D.**; Gleber, S.; Vogt, S.; Yi, H.; Will, F.; Richter, H.; Shin, C.; Fahrni, C. "3D Imaging of Transition Metals in the Zebrafish Embryo by X-ray Fluorescence Microtomography", *Metallomics*, 2014, 6(9), 1648-1655 ([here](#))

Aleknaite, U.; Liu, V.; Thomas, K.; **Bourassa, D.**; Gurney, R.; Lee, N. "Study of Solvent-Free Asymmetric Reduction of 1-Acetonaphthone", *Journal of Undergraduate Chemistry Research*, 2012, 11(3), 78

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## PUBLICATION QR CODES

If you are reading this document as a hard copy you can use the following QR codes to access the embedded links. If you are using an iPhone, simply open the camera and point it towards one of the codes. The camera will focus on the code and a link will appear at the top of your screen. Click on that link to open the desired url.

Morgan, M.; **Bourassa, D.**; Harankhedkar, S.; McCallum, A.; Zlatic, S.; Calvo, J.; Meloni, G.; Faundez, V.; Fahrni, C. "Ratiometric Two-Photon Microscopy Reveals Attomolar Copper Buffering in Normal and Menkes Mutant Cells", *PNAS*, 2019, 116(25), 12167-12172



Morgan, M.; Yang, B.; Harankhedkar, S.; Nabatilan, A.; **Bourassa, D.**; McCallum, A.; Sun, F.; Wu, R.; Forest, C.; Fahrni, C. "Stabilization of Aliphatic Phosphines by Auxiliary Phosphine Sulfides Offers Zeptomolar Affinity and Unprecedented Selectivity for Probing Biological Cu-I", *Angewandte Chemie*, 2018, 57(31), 9711-9715



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**Bourassa, D.**; Gleber, S.; Vogt, S.; Yi, H.; Will, F.; Richter, H.; Shin, C.; Fahrni, C. "3D Imaging of Transition Metals in the Zebrafish Embryo by X-ray Fluorescence Microtomography", *Metallomics*, 2014, 6(9), 1648-1655



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## RESEARCH PRESENTATIONS

- Visualizing Zinc Dynamics in Cell Division and Developing Zebrafish** **October 2018**  
Future Faculty Development Program, Swanson School on Engineering, University of Pittsburgh  
Pittsburg, PA
- Visualizing Zinc Dynamics in Cell Division and Developing Zebrafish** **March 2016**  
Public Dissertation Defense, Georgia Institute of Technology  
Atlanta, GA
- Visualizing Zinc Dynamics in Cell Division and Embryogenesis** **October 2015**  
Chemistry Graduate Student Research Symposium, Georgia Institute of Technology  
Atlanta, GA
- Visualizing Zinc Dynamics in Cell Division and Developing Zebrafish** **September 2014**  
The 4<sup>th</sup> Annual Meeting of the International Society for Zinc Biology  
Pacific Grove, CA
- Solid Reduction of Ketones using Sodium Borohydride with Chiral Reagents** **August 2010**  
American Chemical Society National Meeting  
Boston, MA
- Functionalization of Tributyltin with a Spin-Label using 4-HydroxyTEMPO** **March 2010**  
American Chemical Society PITTCON Conference  
San Francisco, CA

## PROFESSIONAL DEVELOPMENT PRESENTATIONS

- Non-Tenure Track Teaching Positions - Panel** **September 2019**  
Emory University, Advanced Graduate Teaching Fellowship Course  
Decatur, GA
- Creating Community Standards with Bystander Awareness Training** **August 2019**  
New Professional Workshop at Georgia College  
Milledgeville, GA
- Choose Your Words Wisely, Providing Feedback and Facilitating Difficult Conversations** **March 2019**  
Agnes Scott College Peak Week  
Decatur, GA
- Beyond the Bystander: The Meaning of Ethical Leadership** **March 2019**  
Agnes Scott College Peak Week  
Decatur, GA
- Choose Your Words Wisely, Providing Feedback and Facilitating Difficult Conversations** **October 2018**  
Agnes Scott College Student Leadership Retreat, Calloway Gardens Resort  
Pine Mountain, GA
- Conscious Collaborations: Coalition Building Across Universities and Communities** **April 2018**  
RespectCon 2018, Emory University  
Atlanta, GA
- Women in STEM Education** **April 2018**  
American Association of University Women (AAUW) State Convention  
Warner Robbins, GA
- Imposter Syndrome Panel** **March 2018**  
Agnes Scott College, STEM student organizations  
Decatur, GA
- Bystander Awareness Training** **January 2018 - May 2019**  
Agnes Scott College, several student organization trainings over 3 semesters  
Decatur, GA
- Applying to Graduate School in STEM** **November 2017**  
Agnes Scott College  
Decatur, GA

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## COACHING EXPERIENCE

### Cheerleading Coach

Agnes Scott College, Athletics Department

2012 – Present

Decatur, GA

- Student Organization Advisor of the Year recipient for 2014-2015
- Student Organization Service and Action Award recipient for 2014-2015
- Organize tryouts: coordinate judges, logistics, teach material, hold information sessions, etc.
- Advise weekly practices for a squad of 22 student athletes
- Attend approximately 10 home basketball games per season
- Design cheerleading uniform, organize uniform fitting, and order uniforms annually
- Organize and host charity cheerleading clinics for local children
- Organize annual charity Haunted House for local children
- Manage and maintain budget of \$5,000
- Coordinate and participate in fundraising events

### Assistant Cross-Country Coach

Agnes Scott College, Athletics Department

2014 – 2016

Decatur, GA

- Attend and lead morning practices 3-5 days a week
- Attend overnight cross country meets
- Organized and lead group runs for the community leading up to the Agnes Scott 5K race

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## HONORS AND AWARDS

### Making the Difference Award

Agnes Scott College Student Affairs Annual Retreat

August 8, 2018

### American Dissertation Fellow

American Association of University Women

2015 – 2016

### First Place Oral Presentation

Chemistry Graduate Student Research Symposium, Georgia Institute of Technology

October 23, 2015

### Provost's Strategic Plan Advisory Group Committee Member

Georgia Institute of Technology

2014 - 2016

### Abstract Prize for Poster Presentation

International Society for Zinc Biology

September 19, 2014

### Molecular Biophysics Trainee Fellowship

Georgia Institute of Technology

2010 - 2014

### Presidential Fellowship

Georgia Institute of Technology

2010 - 2014

### GAANN Tech-to-Teaching Fellowship

Georgia Institute of Technology

2012 - 2013

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## COMMITTEES AND TASK FORCES

### Campus Safety Task Force 2019 - 2020

Agnes Scott College, Decatur, GA

- Appointed by the President of Agnes Scott College, Leocadia Zak
- Review and enhance communications protocols
- Review dispatch procedures
- Provide safety trainings for faculty and staff

### SUMMIT Integration Committee 2019 - 2020

Agnes Scott College, Decatur, GA

- Support and assessment of SUMMIT learning objectives within the co-curriculum
- Developed the campus wide common core leadership competencies and corresponding training efforts for student leaders

### Peak Week Planning Committee 2019 - 2020

Agnes Scott College, Decatur, GA

- Participating in the planning of Peak Week, the annual week of professional and personal development workshops for students
- Organized the logistics and scheduling of over 100 workshops and programs in a 5 day span

### Healthy Campus Task Force 2017 - 2020

Agnes Scott College, Decatur, GA

- Implemented Bystander Intervention education on campus for students, faculty and staff
- Participated with the GA Independent College Association on the Healthy Campus Coalition
- Attended numerous Title IX trainings to keep abreast with national and state laws and ensure our campus remains compliant

### Senior Success Task Force 2018 - 2019

Agnes Scott College, Decatur, GA

- Created post-Agnes Scott College success plans for the class of 2019 graduating students
- Met with students individually as a mentor

### Vibrant Campus Life Task Force 2017 - 2020

Agnes Scott College, Decatur, GA

- Responsible for enhancing the co-curricular experience for Agnes Scott College students

## STUDENT DEVELOPMENT

### Choose Your Words Wisely: Providing Feedback and Facilitating Difficult Conversations

Peak Week, March 5, 2018

Agnes Scott College, Decatur, GA

### The Meaning of Ethical Leadership

Peak Week, March 4, 2018

Agnes Scott College, Decatur, GA

### Choose Your Words Wisely: Providing Feedback and Facilitating Difficult Conversations

Student Leadership Retreat, October 20, 2018

Calloway Gardens, Pine Mountain, GA

### Imposter Syndrome Panel

Assoc. of Women in Mathematics, March 23, 2018

Agnes Scott College, Decatur, GA

### Teaching Students How to Learn

Oberlin College, Oberlin, Ohio, December 5, 2017

## SKILLS IN HIGHER EDUCATION





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## PROFESSIONAL DEVELOPMENT EXPERIENCES

### **Transforming STEM Higher Education**

**November 9 - 10, 2018**

Association of American Colleges and Universities, Atlanta, Georgia

- Attend sessions on student engagement as a model for increasing underrepresented students
- Discussed assessment to evaluate a curricula and reduce equity gaps in STEM classrooms
- Learned about improving STEM retention and engagement through research and mentoring
- Discussed learning communities to improve STEM student retention and academic success
- Discussed addressing the gaps in student performance using metacognitive reflection
- Learned about promoting STEM retention through professional development and mentoring
- Discussed promoting inclusive excellence in STEM by practicing inclusive excellence

### **GCPA & GHO Annual Joint Conference - Facing the Future Together**

**November 8, 2018**

Georgia College Personnel Association and Georgia Housing Officers, Atlanta, Georgia

- Discussed the use of counseling theory to model intentional conversations with student leaders
- Attended sessions on promoting self-care as a student affairs professional
- Attended sessions on developing student conflict resolution skills

### **Future Faculty Development Program**

**October 25 - 27, 2018**

University of Pittsburgh Swanson School of Engineering

- Award based, all-expenses paid, two-day program for post-doctoral scholars from traditionally underrepresented groups in STEM research fields, who are interested in an academic career
- Attended sessions lead by Swanson School of Engineering faculty on obtaining research funding, teaching, peer review publishing, service obligations, etc.
- Developed an action plan for a successful career in academia
- Networked with current faculty in the University of Pittsburgh Swanson School of Engineering
- Gained a greater awareness of how to navigate the cultures of research, teaching, learning and service and support opportunities, and how these elements define academic culture

### **ACUHO-I Academic Initiatives Conference**

**October 14 - 18, 2018**

Wyndham Grand Pittsburgh Downtown in Pittsburgh, Pennsylvania

- Attended sessions on strategies to strengthen co-curricular academic programs
- Attended sessions on how the role as an educator contributes to the success of students
- Learned to cultivate and manage internal and external academic partnerships
- Learned to differentiate needs of varying student populations and explore strategies to foster a culture of academic success
- Discussed how to utilize assessment data to communicate how academic initiatives contribute to residential student success

### **American Association of University Women Atlanta Chapter Meeting**

**May 5, 2018**

Warner Robbins, Georgia

- Attended the conference with 1 Agnes Scott College undergraduate student
- Successfully nominated the Agnes Scott College student for the AAUW scholarship to attend the national meeting in June 2018
- Discussed STEM initiatives of local high schools
- Planned the September 2018 AAUW meeting at Agnes Scott College

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## PROFESSIONAL DEVELOPMENT EXPERIENCES CONTINUED

### **American Association of University Women Georgia State Conference**

**April 14, 2018**

Warner Robbins, Georgia

- Attended the conference with 2 Agnes Scott College undergraduate students
- Keynote speaker presented on her educational and professional path as a women in engineering
- Second keynote speaker was unable to attend, I was invited to speak in her place on my educational and professional path as a women in STEM

### **RespectCon**

**April 6 - 7, 2018**

Emory University in Decatur, Georgia

- National conference created as a space for colleagues, professionals and students to connect in the movement to end sexual violence
- Attended the conference with 6 Agnes Scott College undergraduate students
- Attended sessions on Title IX, transformative justice, and bystander intervention
- Spoke on a panel titled Conscious Collaborations: Coalition Building Across Universities and Communities

### **Women and Girls in Georgia (WAGG) Conference**

**November 11, 2017**

University of Georgia, Athens, Georgia

- Chaperoned 5 Agnes Scott College undergraduate students
- Attended sessions such as: Breaking Racial Barriers Between Black and White Women, Resisting Violence and Silence, Women and Elected Office in Georgia, and Educational Inequalities in Higher Education

### **ACUHO-I Academic Initiatives Conference**

**October 27 - 30, 2017**

Sheraton Hotel in Atlanta, Georgia

- Provided education and professional development for individuals that focus on the co-curricular educational experience
- Designed to provide a broader scope of issues related to residential academic support, including Living-Learning Programs and Communities
- Attended sessions on the development of Residential Curriculum and the impact on student success
- Attended sessions on the impact of student involvement on retention

### **Association on Higher Education & Disability (AHEAD) Conference**

**July 17 - 21, 2017**

Virtual Conference via Webinar, viewed at Agnes Scott College

- Participants were informed on Section 504 of the Rehabilitation Act and the Americans with Disabilities Act and how these laws apply to higher education institutions
- Participants viewed presentations on "Shattering the stigma of mental illness disabilities on college campuses", "Social justice, self-concept, and aligning the responsibility to accommodate" and "Revamping policies and procedures: A coordinated commitment to leading practice"

### **Manager and Supervisory Training**

**July 12 - 13, 2017**

Agnes Scott College Human Resources Training

- Facilitated by Associate Vice President for Human Resources, Karen Gilbert
- Sessions included "Clarify, negotiate and commit to your role", "Understand your expected results", "Building a great team", "Choosing employees wisely", "Defining and modeling excellence", and "Proactively managing change and transition"

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## PROFESSIONAL ORGANIZATIONS

### **American Association of University Women**

*The American Association of University Women (AAUW) is a non-profit, national organization, dedicated to the advancement of women and girls through advocacy, education, and research.*

Dedicated and active member of AAUW. Participated in local AAUW meetings and service projects since 2017. Awarded the AAUW American Dissertation Fellowship in 2015 for the final year of graduate school. Currently organizing a new student AAUW chapter at Agnes Scott College. I attend multiple meetings each year around Georgia and volunteered in their annual Book Fair to raise money for AAUW scholarships. Key meetings include:

AAUW Atlanta Chapter Meeting, "STEM and YOU", Decatur, GA September 16, 2018

- The theme of this annual meeting was "STEM and YOU"
- Organized 17 Agnes Scott student volunteers to facilitate workshops for the AAUW members
- In one room students presented their student research projects with short oral presentations, another workshop involved students leading AAUW members and guests through the extraction of DNA from strawberries, and the third student workshop included a demonstration using handmade sparklers to explain how fireworks get their different colors
- After the meeting, members visited the campus Observatory where a student lead us through a planetarium demonstration

AAUW Georgia State Conference, Warner Robbins, GA April 14, 2018

- The theme of this meeting was "Women in Engineering, Highlighting STEM"
- Spoke as the Keynote Speaker about my educational and professional path as a women in STEM

### **Women in Biology**

*Women in Biology (WIB) is an organization of professionals committed to promoting careers, leadership, and entrepreneurship of women in the life sciences. WIB aims to help women achieve the highest levels of leadership, influence and decision-making that they desire.*

Vice Chair (2018) and Chair (2019) of the Atlanta Young Women in Bio (YWIB) sub-committee of WIB

- Part of the team responsible for organizing and facilitating at least 4 programs a year with the mission to ignite the curiosity and fuel the passion in girls in STEM
- STEM Day at Agnes Scott College: On April 14, 2018 and March 29, 2019, girls from Alcovy High School came to Agnes Scott College for the entire day to participate in different STEM activities
- August 2018 & 2019, YWIB-Atlanta attended the annual Saint Philips AME Church STEM Fair to speak with children about the structure of a cell, DNA extraction and plant anatomy
- December 4, 2018, YWIB-Atlanta attended the annual Sarah Smith Elementary STEM Fair to perform DNA extraction on strawberries with elementary school children

Vice Chair of the Atlanta Mentors, Advisors, & Peers (MAPs) sub-committee of WIB

- Part of the team responsible for organizing and facilitation at least 4 programs a year with the mission to bring together students and postdocs with WIB members and encourage career related discussions and mentorships
- Attended MAPs Kick-Off Event with Agnes Scott students at Georgia State University on September 27, 2018 with guest speakers Dr. Roberta Attanasio and Dr. Laura Szymanski

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## STRENGTHSFINDER TALENTS PROFILE

- **COMPETITION** By nature, individuals talented in the **Competition** theme transform goals into reality by working quite hard. They are more persistent, unyielding, and energetic than most. They strive to win first place and revel in contests using their sharp mind to outmaneuver rivals.
- **FUTURISTIC** Individuals strong in the **Futuristic** theme are motivated by the future and what could be. They inspire others with their visions of the future. Instinctively, they prefer mapping paths toward long-term goals and create orderly and detailed tactics to secure objectives.
- **HARMONY** People who are skilled in the **Harmony** theme look for consensus. They enjoy helping individuals discover what they have in common, collaborating on projects, solving problems, and sharing resources. They are straightforward, objective, and have keen common sense.
- **DISCIPLINE** Individuals who are proficient in the **Discipline** theme enjoy structure. Their world is best described by the order they create. They like to keep their environment neat and orderly. They are methodical; sequencing the steps of processes or plans before beginning tasks.
- **ANALYTICAL** People adept in the **Analytical** theme search for reasons and causes. They have the ability to think about all the factors that might affect a situation. They work hard to uncover how and why things happen as they do then share these discoveries with teammates with streamlined explanations.

*\*The Clifton StrengthsFinder measures the presence of 34 talent themes; the naturally recurring patterns of thought, feeling, or behavior that can be productively applied. The more dominant a theme, the greater the impact on behavior and performance. Resource - [www.gallup.com](http://www.gallup.com)*

## MYERS BRIGGS PERSONALITY PROFILE

**“ESJF”**

- Practical, concrete, and at the same time supportive and responsive towards others
  - Certain of their reasoning
  - Have a soft but assertive communication style
  - Enjoy solving practical problems
  - Apt at on-the-fly communication on immediate practical tasks.
- |                    |   |                     |
|--------------------|---|---------------------|
| ● <b>EXTROVERT</b> |  | ● <b>INTROVERT</b>  |
| ● <b>SENSING</b>   |  | ● <b>INTUITION</b>  |
| ● <b>FEELING</b>   |  | ● <b>THINKING</b>   |
| ● <b>JUDGING</b>   |  | ● <b>PERCEIVING</b> |

*\*The Myers-Briggs Type Indicator® (MBTI®) personality inventory identifies one of 16 distinctive personality types that result from the interactions with others, preferences, perception and judgement. Resource - [www.myersbriggs.org](http://www.myersbriggs.org)*

## DISC ASSESSMENT PERSONALITY PROFILE

**“D”**

The **D Personality Style** tends to be **direct** and **decisive**. They provide **leadership** and management, maintain **focus** on the goals, and **rise** to the top during crisis moments. They are **risk takers**, **self-starters** and **problem solvers**. Others look to them for **decisions** and **direction**. They think about **big picture goals** and **tangible results**. They are bottom-line **organizers** that place great **value on time frames** and seeing **results**. They may **challenge the status quo** and think in a very **innovative** way. They are highly **motivated** by new **challenges**, as well as setting and **achieving goals**. They function well with heavy work loads and when under stress and **welcome new challenges** and **risks without fear**.

*\*DiSC® is a personal assessment tool used to improve work productivity, teamwork and communication. The DiSC profile is a non-judgemental tool used for discussion of people's behavioral differences. The DiSC model helps people to better understand themselves and adapt their behaviors with others. Resource - [www.discprofile.com](http://www.discprofile.com)*