

Education

Arizona State University, Mesa, AZ – Ph.D., Engineering Education Systems and Design, expected 2023

Arizona State University, Mesa, AZ – M.S., Human Systems Engineering, expected 2021

University of Pittsburgh, Pittsburgh, PA - B.S., Industrial Engineering, 2017

Research Experience

Coley Shifting Perceptions, Attitudes, and Cultures in Engineering (S.P.A.C.E. Lab)

Graduate Research Assistant

June 2019 – current

- Working on a research team led by Dr. Brooke Coley investigating the phenomenological experiences of marginalized groups in engineering environments

Honors

- National Science Foundation Graduate Fellowship Honorable Mention (2020)

Work Experience

Amazon.com

May 2017 – May 2019

Amazon Fulfillment Engine Area Manager

- Supported the launch of two new fulfillment centers in Kansas City, KS and Romulus, MI
- Managed a department of 200+ Amazon associates to meet daily demand and productivity goals
- Established standard work documents to assist with the training and development of the process assistant team
- Monitored quality defects within the department and identifying defect injection points for each of the processes within the department
- Partnered with the maintenance team weekly to identify and improve conveyance and machine performance
- Planned weekly and monthly recognition activities to motivate team and recognize high performers
- Organized shift staffing plan and established a staffing template to assist with daily labor planning
- Designed an optimized flow layout for material suppliers to reduce time lost due to supply deficiencies

Norfolk Southern Corporation

August 2015 – December 2015

Mechanical Engineering Department: Systems Engineering Co-op

- Constructed data solutions for six sigma projects to detect trends in locomotive performance
- Designed database queries and reports to highlight frequency of locomotive maintenance intervention

General Cable Corporation

January 2015 – May 2015

Engineering Co-op

- Performed root cause analyses to identify the cause of post-production failures
- Directed time study projects to establish worker cycle time and improve process efficiency

International Experience

Engineering Exchange Program in Brazil

June 2016 – December 2016

Universidade Federal do Paraná

- Recipient of the 100K Strong in the Americas Innovation Fund granted by the Obama Administration
- Completed an international and interdisciplinary engineering project solving a transportation issue at the university that included an emphasis on renewable energy

Engineering for a Better Environment: Brazil

July 2015 – August 2015

University of Pittsburgh Panther Program

- Evaluated alternative and green energy solutions in Brazil with those of the United States

Leadership Experience

Swanson School of Engineering

August 2012 – April 2017

Engineering Ambassador

- Advised and recruited prospective students about the Swanson School of Engineering

Pitt Computing Services and Systems Development

January 2016 – April 2017

Computing Lab Consultant

- Maintained campus computer labs and printer station services
- Assisted computer lab customers with issues and concerns

National Society of Black Engineers (NSBE)

August 2011 – May 2016

Region II Pre-College Initiative (PCI) Chair (2015 – 2016)

- Implemented STEM programming initiatives for regional K-12 activities
- Organized the 2016 Regional PCI mini-conference for over 300 attendees

Vice President – Pitt Chapter (2014 – 2015)

- Led chapter initiatives and directives
- Monitored chapter membership and retention programs
- Achieved 100% retention of the freshman members

Board of Corporate Affiliates Scholarship Winner (2014 & 2015)

NSBE National Leadership Fellow

- Shadowed and assisted the NSBE National Membership Chairperson

Programs Chair – Pitt Chapter (2013 – 2014)

- Managed all chapter programming and outreach events
- NSBE Chapter of the Year Award Winner – NSBE Walk-A-thon
- NSBE Program of the Year Award Winner
- Pitt Organization of the Year Award Winner

Public Relations Chair – Pitt Chapter (2012 – 2013)

- Promoted club activities and events
- Nominated for protecting the NSBE Brand Award

Freshman Representative (2011-2012)

- Represented the Freshman Class for the chapter

Pitt Science Outreach

May 2014 – August 2015

Co-Founder, Vice President, and Near-Peer Science Mentor

- Established a club that facilitates science activities for the community
- Developed STEM curriculum material for the Summer Science Program
- Led outreach programs with the Pitt Mobile Science Program

University of Pittsburgh Residence Life

August 2012 – May 2014

Resident Assistant (RA)

- Managed the Freshman and Upperclassmen Engineering Living Learning Communities
- Regional RA of the Month Award Winner February 2013
- RA Staff of the Year Award Winner for 2013