

**EDUCATION**

**Temple University**, College of Engineering, Philadelphia, PA Spring 2020  
**Master of Science** GPA: 3.9  
Program: **Mechanical Engineering**

**Temple University**, College of Engineering, Philadelphia, PA Spring 2019  
**Bachelor of Science** GPA: 3.8  
Major: **Mechanical Engineering**  
Minor: **Computer Science**

**Temple University**, College of Liberal Arts, Philadelphia, PA Fall 2011  
**Bachelor of Arts**  
Major: **English**

**ENGINEERING EXPERIENCE**

**Undergraduate Research**, Temple University Spring 2018

- Designed and built an autonomous robotic arm for a client of Temple University
- Robot was constructed utilizing a combination of machined and 3D printed components
- Final product was capable of identifying, weighing, and sorting ceramic shards for client

**WORK EXPERIENCE**

**DEPARTMENT OF THE NAVY**, Dahlgren, VA Summer 2020 – Current  
*Engineer*

- Formulate and implement controls for engineering systems
- Develop 3D models to experiment with and validate designs
- Collaborate with multiple branches on intradepartmental projects

**EMSL ANALYTICAL, INC**, Cinnaminson, NJ Spring 2012 – Spring 2017  
*Analyst*

- Analyzed samples via x-ray diffraction for the presence of silica
- Quantified the data from the analysis and compiled it into a report for the client
- Monitored and delegated tasks to the technicians preparing the samples for analysis

**RELEVANT COURSEWORK & SKILLS**

**Graduate:** Mobile Robotics, Robotic Manipulators, Advanced Dynamic Systems, Optimal Controls for Mechanical Systems, Machine Learning & Pattern Recognition

**Undergraduate:** Computer Aided Design, Machine Theory & Design, Mechanical Vibrations

**General:** Microsoft Word, Microsoft Excel, LabVIEW

**Metalworking:** Metal lathe, Knee mill, Arc welding

**Programming:** Java, C++, Python, MATLAB, ROS

**CAD:** SolidWorks