

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