

EDUCATION

Rutgers University School of Engineering, New Brunswick, NJ
B.S. Mechanical Engineering, Energy Systems Concentration

August 2018

Hudson County Community College, Jersey City, NJ
A.S. Engineering Science, Cum Laude

December 2014

SKILLS & CERTIFICATIONS

- Passed Fundamentals of Engineering Exam (EIT) **December 2018**
- Certified SolidWorks Associate **May 2018**
- AutoCAD, Revit, Excel, SolidWorks, Linux, Python
- FDM 3D Printing

GROUPS

- American Society of Mechanical Engineering (ASME)
- American Society of Plumbing Engineers (ASPE)

PROJECTS

Capstone Senior Design Project

- Worked with a team to design and build electro-mechanical control demos
- Programed a rotary encoder to measure angular position and estimate angular velocity
- Drafted and 3D printed multiple components using SOLIDWORKS
- Programed a PID controller on a Raspberry Pi using Python for an inverted pendulum

Full Stack Development

- Designed a web application to control IOT smart lights
- Deployed a Linux, Nginx, uWSGI, Flask stack
- Implemented network attached storage for home network
- Implemented VPN service for home network

EXPERIENCE

ICOR Associates, Iselin, NJ

September 2018 - Present

Plumbing and Fire Protection engineer

- Design plumbing and fire protection systems
- Coordinate with multi-disciplined project teams to develop construction drawings
- Calculate preliminary water, gas, sanitary and storm loads
- Assist with development of project specifications
- Administer construction administration
- Execute surveys of existing conditions and punch lists

P3 Communications, Morristown, NJ

June 2018 – September 2018

Software Test Technician

- Performed audio quality test measurements
- Performed network quality test
- Directed team to complete test projects
- Tested new software and hardware
- Documented testing progress communicating results through daily reports