

Jack Abrain

<https://www.linkedin.com/in/jack-abrain-8a5418188/>

16 Greg Drive
Bristol RI, 02809
(401) 692-3413
jackabrain7@gmail.com

EXPERIENCE

Waterrower Incorporated: 520 Metacom Ave, Warren RI 02885 — Engineering Intern

May 2019 – September 2021, Worked With: Laine Hewitt (508) 208-0526

- Helped in designing a new soft close mechanism for the new CityRow Max rower
- Designed new drilling jigs/fixtures for the assembly line
- Designed a wire insertion tool for technicians in the field
- Learned how to machine on milling machines and lathes
- Gained a substantial amount of knowledge in solidworks, G-Code, and CNC softwares
- Gained substantial experience by taking design from concept, to 3D model, to actually machining it myself.
- Worked with resin based 3D printers
- Created new SOP's for factory assembly line
- Helped improve woodshop efficiency and flow
- Processed returns, diagnosed problems, fixed faults

Magnetic Seal Corporation: 365 Market St, Warren RI 02885 — Engineering Intern

October 2017 – September 2018, Worked With: Jared Desrosiers (401) 247-2800

- Created CAD drawings for CNC machinists
- Worked on a complete overhaul of the company's preventative maintenance system.
- Gained experience in Microsoft Excel, Visio

Raytheon: URI — Senior Capstone Project

September 2021 – May 2022, Sponsors: Dr. Tony Rafanelli, Steve Berube

- Thermal Management of high density electronics

SKILLS

Solidworks (3D Modeling), Excel, Word, Powerpoint, Visio, Machining (Milling and Lathe), Reading/Making Technical Drawings, G-Code and CNC, Machine Design, Jig and Fixture Designing., AutoCAD, Draftsight (2D Design), 3D Printing, LEAN Principles, Standard Operating Procedures

EDUCATION

University of Rhode Island, Kingston RI — MCE Major, Physics Minor

Anticipated Graduation May 2022

Calculus, Physics, Thermodynamics, Fluid Mechanics, Machine Design, Solidworks, Statics, Dynamics, Material Science, Circuits, Nuclear Reactor Engineering, Engineering Experimentation, Capstone. Spring 2020 – Dean's List.

Mt. Hope High School, Bristol RI

August 2014 – May 2018

Finished with a 3.7 GPA being number 15 in my class.