Michael Tripp

Software Developer, Electrical Engineer

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My portfolio: mctripp.github.io

Languages & Skills

HTML, CSS, JavaScript, React.js, Node.js, Express.js, Handlebars.js, SASS, jQuery, PostgreSQL, Ruby on Rails, MongoDB, Bootstrap, Heroku, Matlab, DOORS

Experience

General Assembly / Software Developer Immersive

FEBRUARY 2020 - MAY 2020, BOSTON, MA/REMOTE

Completed a 12-week software engineering immersive program. Completed four projects in respective 4-day sprints, including:

- A full-stack application using React.js
- A collaborative project with 3 other GA developers
- 2 individual full-stack projects

Raytheon / Systems Engineer

JULY 2018 - MAY 2019, MARLBOROUGH, MA

- Developed and maintained a requirements database as a member of a systems engineering agile scrum team.
- Created and maintained scripts for automation of nightly testing in Dynamic Object-Oriented Requirements System (DOORS) for radar systems.
- Created a set of tools used for systems work using Graphic User Interfaces (GUIs) through DOORS to increase employee efficiency.

Systems Engineer Intern

SUMMERS, MAY 2014 - SEPTEMBER 2017, SUDBURY, MA

- Mapped and analyzed radar data using Matlab.
- Implemented minor change requests sent by requirements database users.
- Teamed up with other interns to produce a brochure describing steps and benefits to cross-company collaboration as a 6-Sigma project.

Education

University of Vermont / B.S., Electrical Engineering

SEPTEMBER 2013 - MAY 2018, BURLINGTON, VT

Senior capstone project: Developed a microcontroller-based pump regulator for a microfluidic cooling system onboard one of NASA's CubeSats.

Rowed on the Men's Club Crew team, 2014-2018. Participated in Head of the Charles and ACRA.