Thomas Rind

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EDUCATION

Tufts University

Masters of Science: Computer Science	2019	GPA:3.78
Bachelor of Science: Computer Engineering	2018	GPA:3.45

Relevant Courses

Internet of things, Operating Systems, Web Programming, Computer Architecture, Data Structures, Algorithms, Machine Learning

WORK EXPERIENCE

American Robotics

Marlborough,MA

May 2018 – Aug 2018

Software Development Intern
- Designed battery controls system to handle data transfers, and charging for autonomous drone-assisted farming.
- Reduced chances of battery related crashes through code updates.
- Created customizable redis graphing interface allowing stored data metrics to finally be analyzed.

Draeger Medical Inc.

Andover, MA

May 2017 – Aug 2017

Software Development Intern
- Implemented a demo USB CDC client application on micro-controllers for newly developed patient monitoring system for OEMs to develop with.
- Communicated with cross functional team in agile environment.
- Built debugging tool with QT to act as a host, display all signals dynamically, and record logs to let OEMs develop without the need to a full patient monitor.

Multi Sensor Scientific

Somerville, MA

Feb 2017 – May 2017

Software Development Intern
- Replaced outdated UI for gas detecting camera with team of 4.
- Built tablet user interface in QT to wirelessly communicate with Raspberry Pi to stream camera and sensor info.
- Iterated through versions of interface to make use more intuitive and easy.

Tulip Interfaces

Cambridage, MA

Jun 2016 – Aug 2016

QA Intern
- Decreased software defects and increased the hardware construction with streamlined manufacturing and QA.
- Performed weekly QA tests of web platform to determine if latest builds should be pushed to production.
- Reduced debugging time with implementation of hardware test bench and power cycling tool.

PROJECTS

Swarm Bots

Feb 2017 – May 2017

- Design autonomous swarm bots to simulate landmine disposal in team of four.
- Designed ultrasound communication through band-pass filtering and processing.
- Designed path tracking by processing light reflectance into photo-diode.
- Integrated and debugged drive, sensor, power, collision, and control system.

Food Truck Tracker Web App

April 2016 – May 2016

- Built web app to track food trucks and notify users when they close and open in team of 3.
- Used Google Maps API, Node.js, MongoDB to record user requests and calculate trucks within one mile.
- Used Twilio to send texts to users about nearby trucks

SKILLS

Programming:

C/C++, Arduino, Python, MATLAB, QT, JavaScript

Systems:

Linux, Node.js, Git, AWS, MongoDB, Unity, LTSpice, Cadence