

## Education

- **University of Massachusetts Dartmouth** North Dartmouth, MA  
*Bachelor of Science in Computer Engineering; GPA:3.60* Sept. 2013 – May 2017
  - Key Courses: Object Oriented Software Development, Data Structures, Computer Architecture, Design of Operating Systems, Real-Time and Embedded Systems Design, Digital Systems Design
  - **Umass Dartmouth IEEE:**
    - \* Secretary - Coordinated with other members to plan and organize events

## Experience

- **General Dynamics Mission Systems** Taunton, MA  
*Software Engineer* May 2015 – Present
  - Developed in a scrum environment for an enterprise Public Key Infrastructure
  - Scripted using bash and powershell for deployment tasks on Certificate Authorities and End Entities
  - Communicated effectively with development teams to resolve incidents using approved patches
  - Deployed and managed virtual machines using vmware tools
- **University of Massachusetts Dartmouth** North Dartmouth, MA  
*Reliability Engineer for Software Reliability Testing* Sept. 2014 – Present
  - Developed and implemented models for reliability testing
  - Used Git and Github as means of open source software development
  - Collaborated in an agile development environment
- System Administrator for Software Reliability Testing* Sept. 2014 – Present
  - Scripted in Bash to create daemons to monitor background processes
  - Deployed back end tools like Nginx and Shiny-Server for front end processes
  - Developed and deployed services under Red Hat Enterprise Linux

## Skills

**Technologies:** C/C++, C#, Python, MySQL, Java, PHP, HTML, CSS, Advanced Unix Shell Scripting, Bash, Powershell, GIT, SVN, JSON, XML

**Computer and OS:** Linux/Unix/Embedded Linux, RTOS, Virtualization VMWare, and OS installations (Dual & Triple Boot); BIOS & EFI setup; LAMP server administration

## Projects

**Software Reliability Tool:** an open-source software reliability testing suite with the intended purpose implementing many reliability models and aiming for modularity and extendability.

**Wheelchair Control System:** an embedded systems design project with the intended purpose of driving a wheelchair. PCB designed in eagle and fabricated before being put through soldering and testing. RTOS built in C which focuses on reliability, safety, and convenience of the user in mind.

**Honeybee Hive Monitoring System System:** Team leader of a Senior Design Project. The objective of the project is to design, build, and test a system that monitors the growth and development of a langstroth beehive in a way that is convenient and easy to install. Custom PCB powered over solar power with frames that fit into the hive that measure Temperature, Humidity, Weight, and Photographs of the bees.