

Education

- **University of Massachusetts Dartmouth** North Dartmouth, MA
Bachelor of Science in Computer Engineering; GPA:3.50 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 backend tools like Nginx and Shiny-Server for frontend 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 extensibility.

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.