Daniel Garcia

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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 back end tools like Nginix 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.