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| EMPLOYMENT | | | |
|  | *Dell EMC AVAMAR* | | 2012 – 2016\* |
|  | **Duties**  Served as a Software Engineer II on the virtualization team responsible for creating the Proxy plug-in which allowed AVAMAR backup and restore software to run in a virtualized environment. I provided support to twelve engineers mostly consisting of senior and principle engineers. Team responsibilities included, bug fixes as well as adding new features and enhancements to the Proxy plug-in. Performed DevOps duties which aided in the management and maintenance of lab equipment. Maintained continuous integration/build environments with version control. Expanded and improved the team's internal smoketest environment across several product releases.  **Accomplishments**  • Pioneered automating the software build process using Puppet Enterprise Solution.  • Automated deployment of the AVAMAR suite in a VMware environment using PowerShell and Jenkins.  • Developed and integrated new test cases for various AVAMAR backup and restore specific plugins.  • Configured EMC VNX & VNXe storage arrays and Cisco servers with VMware ESXi and KVM access.  • Exposure to Cisco switch configuration and zone mappings.  • Created several debug wrapper functions in C and C++  • Manage team’s internal TWiki site by creating useful interaction between pages and an Oracle database. | | |
| Education | | | |
|  | University of California, Irvine | 2010 – 2013 | |
|  | * B.S. in Computer Engineering, June 2013 * Undergraduate Coursework: Data Structures, Algorithms, Computer Architecture, Databases, Circuits, Semiconductors, Analog & Digital Signals & Systems   **Projects**   * Senior Design Project – *“ZipScope” was a proof of concept that was designed to be an all-in-one replacement for the usual assortment of testbench equipment. Algorithms were applied to combine test cases and improve their speed. This ambitious project required extreme team work and motivation. We used software such as LabView, Matlab, and Eclipse for C programming. We utilized both Linux and Windows OS while interfacing with the Zoom™ OMAP L-138 eXperimenter Kit.* * Class Design Project – *“TravelRight” was a trip planner web service where I served as group leader for the UI team, I was responsible to coordinate the members of the UI team to design and build the TravelRight website. We resolved user requirements while collaborating with both vendor and core groups. In addition we wanted to design a website that was aesthetically pleasing to look at and use.* | | |
| Awards & Organizations | | | |
|  | * 2nd place [MATE 2008 Underwater ROV](https://youtu.be/fNchPvwWjq0) competition. * Lab manager & Secretary for UCI IEEE (2011 - 2013) | | |
| Professional Development & skills | | | |
|  | Software  * Languages: Java, C/C++, Perl, Python, PowerShell, LabView * Platforms: Windows, Linux (RedHat, SLES, Ubuntu, CentOS), Mac * Development Tools: Visual Studio, Eclipse, Xcode, Android Studio, Dreamweaver * Build Automation: Jenkins, Puppet Enterprise * Virtualization/Cloud: VMware, PowerCLI, Oracle VirtualBox * Database: Oracle SQL, MySQL * Other: EMC VNX, Cisco, KVM, Twiki   **Other**   * Agile Scrum Methodologies | | |