Glenn Ryan

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JAVA FRONT-END ENGINEER

Education

University of California, Davis   *Davis, California*
B.S. IN COMPUTER SCIENCE, MINOR IN FRENCH   *September 2010 - June 2014*
- Awarded Dean's List April 2013 and June 2013
- Studied abroad in London and Paris from April 2014 to June 2014

Skills

Languages   Java, JavaScript, Python, C, LaTeX
Frameworks Redux, Mocha, JSF, Django

Experience

Aruba, a Hewlett Packard Enterprise company   *Roseville, CA*
SYSTEMS SOFTWARE ENGINEER   *March 2015 - Present*
- C, Google Test, git, Embedded systems
- Develops next-generation features for high-throughput wired switches, including tunnels, ARP Throttle and Port Scan.
- Acts as owner for the layer 3 code module in the ProVision OS product set, helping guide customer issues and new features.
- Mentors entry-level and intern employees through onboarding and first projects.
- Contributed in the development of the largest software release in HPN history for the high-selling 5400Rv3 unit.
- Received recognition award for showing Partnership First HPE values.

Performance Technology Partners, LLC   *Sacramento, CA*
JAVA CONSULTANT   *June 2014 - March 2015*
- Java, JSF, JavaScript, Primefaces, IBM Rational software
- Developed elegant front-end systems for the Franchise Tax Board from state mock-ups, used by up to 16 million taxpayers.
- Independently managed individual project priorities, deadlines and deliverables in a small, Agile team of four.
- Lead requirement analysis and design meetings with external partners to manage changes to a complex system architecture.
- Worked closely with a variety of teams to develop end-to-end solutions that pass state confidentiality and security guidelines.
- Contributed heavily in the improvement of team's system test pass rate from 50% to 81%.

Army Corps of Engineers   *Davis, CA*
JAVA STUDENT PROGRAMMER   *Sept 2013 - March 2014*
- Java, C$^\sharp$, WPF, XAML, SP.NET
- Developed enhancements to USACE hydrology applications like the HEC-FDA and the HEC-FIA, used by millions worldwide.
- Converted large portions of statistical library front-ends from Swing (Java) and WinForms to WPF.

QLogic Corporation   *Roseville, CA*
PYTHON TEST ENGINEER INTERN   *June 2013 - March 2014*
- Python, C++, C, RedHat, Wireshark
- Investigated methods and technologies to improve test cases and Linux compatability of cutting-edge iSCSI test drivers.
- Independently prototyped an innovative Python scripting interface to C++ testing software using Facebook's Thrift.
- Improved code coverage of firmware builds by 12% according to lcov reporting tools.
- Introduced UNH's industry-standard iSCSI test suite into the nightly build.

University of California, Davis   *Davis, CA*
STUDENT DJANGO WEB DEVELOPER   *June 2012 - April 2013*
- Django, Python, JavaScript, HTML, SQL
- Individually transitioned department websites from custom PHP/MySQL to a highly organized Django Python codebase.

Projects

2016	**nitrile**, Node.js engine to convert json data to elegant resumes using LaTeX–SPA web client underway	*GitHub*
2016	**Personal site**, Thoughts and meditations on various topics in Software Engineering	*glennryan.info*
2015	**slur**, A Lisp-like language implemented in C	*GitHub*