

JOSHUA MOELLENKAMP

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PROFESSIONAL EXPERIENCE

Current
MAY 2016

Software Engineer I – [AERIS LLC](#)

- Developed, verified, validated, and provided standardized technical documentation for a Department of Defense atmospheric transport and emergency response modeling system
- Implemented a suite of network- and microservices-based tools to process data with Java and display it in real-time with Python's [Matplotlib](#)
- Provided numerous format conversion tools for various weather data formats (grib, netcdf, wrf) using Python and the [NCAR Command Language](#)

MAY 2016
JUL. 2015

Full Stack Software Development Intern – [ORACLE](#)

- As a member of the Hosting Management System team, I designed, implemented, and maintained a variety of tools that collectively monitored and managed every product available through the CX portion of the Oracle Service Cloud
- Self-managed the refactoring and verification of the production site disable and removal processes, removing deprecated business logic and providing dependability to a previously erratic system
- Implemented a RightNow product-specific tool to automatically update the status of work items, cutting management overhead for developers
- Provided feature enhancements and defect fixes across a technology stack that included Python, MySQL, JavaScript, HTML, and Bash
- Utilized the Scrum-based RightNow product within a five-person team to develop, test, and release an updated product every two weeks
- Followed test-driven and best-practice development principles to ensure code quality during a quality assurance turnover period

JUL. 2015
JAN. 2014

Software Engineering Intern – [TECHLINK CENTER](#)

- Member of the Software Engineering & Analysis Laboratory
- Designed and implemented the TESTER framework in Java and C# leveraging the [Page Object Model](#) for [Selenium](#)-based web application testing
- Worked with the [US Army Corps of Engineers ERDC-CERL](#) to provide customized use case coverage for the [BUILDER](#) application
- Provided ERDC-CERL with quality assurance models based on testing coverage analysis
- Administered a Jenkins continuous integration server to run nightly system tests and provide [SonarQube](#) analysis on the TESTER framework
- Agile work environment using the Kanban-based Kanboard

FEB. 2015
DEC. 2014

Web Development Intern – [EMPOWERED E-COMMERCE](#)

- Designed and implemented an administrative web-facing site to display support tickets and allow interaction with a back-end database using PHP, MySQL, and HTML

EDUCATION

2012-2016	Bachelor of Science , highest honors from MONTANA STATE UNIVERSITY (3.71/4.0 CUM. GPA) <i>Computer Science Major with Computer Engineering Minor & University Honors</i>
COURSES	<i>Software Engineering, Advanced Software Engineering, Computer Architecture, Operating Systems, Concepts of Programming Languages, Databases, System Administration, Security, Engineering Embedded Systems, Logic Circuits, Microprocessors, Computer Graphics</i>
CAPSTONE	Bobcat Software Factory – S2 CORPORATION <ul style="list-style-type: none">• Proposed and provided a thorough overhaul of the EBAC Spectrum Visualization tool• Focused refactoring efforts on increased software architecture for modularity and extensibility• Utilized the Kanban-based Kanboard with test-driven development techniques

TECHNICAL SKILLS

FLUENT	Java, C#, Python, Git, \LaTeX
SKILLED	SQL, C, C++, HTML, CSS, PHP, JavaScript, Bash, Maven, XML, JSON
NOVICE	Perl, Lisp, Assembly, ASP.net, OpenGL, OSGi, NCL
OTHER	Gerrit, SonarQube, UML, Jenkins, Matplotlib

References available upon request. Please ask.