

Maxwell R. Mazzocchi

Software Engineer

10555 W. Jewell Ave #3-203
Lakewood, CO 80232

Maxwell.Mazzocchi@gmail.com
(814)-359-6053

<https://mmazzocchi.github.io>

Work Experience

Lockheed Martin Space Systems

July 2014 – Current

Software Engineer, Military Support Programs

Top Secret/SCI with CI polygraph clearance received October 2014

Space Vehicle Simulator Group

As part of the Space Vehicle Simulator (SVS) software group, served as an independent tester for real-time hardware simulation models. Converted legacy test code into new automated test procedures and implemented in the simulation environment. Worked with SVS operations to ensure maximum utilization of resources, in addition to helping troubleshoot anomalies and issues.

Flight Independent Software Test

Developed multiple suites of automated test software in order to verify flight software requirements and ensure quality of flight systems. Worked closely with the simulation group in order to ensure that all models were simulated correctly. Created multiple tools for other developers and teams in order to increase the speed of project creation and deployment.

Command and Control

Worked on a large team dedicated to development of Command and Control ground systems. Coordinated across the entire ground element codebase spanning six groups in efforts to minimize risk to other components. Implemented improvements to commanding and telemetry display/reporting systems. Developed a full suite of tools to communicate with upgraded hardware and recapitalized software.

Verizon Wireless

June 2013 – August 2013

Switch Intern, Operations

Worked in a major data switch serving the West Jordan/Salt Lake Area in Utah. Studied network fundamentals and maintenance, and assisted in local network configuration.

Return Path

May 2012 – August 2012

Engineering Intern, Deliverability Team

Developed on a dynamic Agile team producing customer-facing front-end web code. Created data processing and report generation tools for specific customer requests.

Education

Colorado School of Mines

August 2010 – May 2014

Bachelor's of Science in Computer Science and Mathematics

GPA: 3.296

Additional Coursework: Artificial Intelligence, Computer Graphics, Robotics, Astronomy, Astrophysics, Remote Sensing, Quantum Physics, Cryptography, Simulation

Technical Skills

Programming/Scripting: C/C++, Java, Python, Perl, PHP, JavaScript, HTML, CSS, Shell Scripting

Databases: SQL, Hadoop, HBase

Libraries/Frameworks: jQuery, Django, OpenGL, WebGL

Tools: git, Subversion, Synergy, Eclipse, Jenkins, Redmine