Joseph Woodruff

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SUMMARY

Experienced Software Engineer specializing in safety-critical embedded software development with a focus on avionics and aerospace applications.

EDUCATION

Bachelor of Science in Computer Science, Portland State University, 2012

EMPLOYMENT HISTORY

Blue Origin

New Shepard Software Architecture - Kent, WA
May 2019 - Present
Software Integration Engineer

Provided technical advice and schedule estimates to management stakeholders. Incorporated software updates to different systems on the New Shepard propulsion module, wrote tests for verifying that the software complies with system-level requirements, as well as creating and updating tools and supporting infrastructure to streamline the testing process. Also provided back-room engineering support, troubleshooting software problems and providing guidance to spacecraft flight controllers.

Aerotek

Blue Origin, New Shepard Software Architecture - Kent, WA
November 2018 - May 2019
Software Integration Engineer

Working on software integration and testing for the New Shepard spacecraft and associated equipment for Blue Origin, as a contract employee.

Rockwell Collins

Head Up Guidance Systems - Wilsonville, OR
March 2013 - August 2018
Software Engineer

Developing embedded avionics software for heads-up displays in compliance with a DO-178 B/C Software Assurance Level A process.

SKILLS

C, C++, Bash, Git, Subversion, make, Matlab, Simulink, Linux, Python, DOORS, JIRA, Embedded Development, LynxOS-178, DO-178B/C