

# Joseph Woodruff

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## OBJECTIVE

Seeking a position in embedded software development.

## EDUCATION

B.S., Computer Science, Portland State University, 2012

## EMPLOYMENT HISTORY

### *Rockwell Collins*

Heads-Up Guidance Systems - Wilsonville, OR  
Mar 2013 - Oct 2017  
Software Engineer

- Implemented software updates in C and Matlab (Simulink) for heads-up displays featured on the Bombardier Q-400 and CSeries, Embraer E-Jets, Boeing 737 MAX and Novaer B-250.
- Wrote low-level software requirements for the CSeries heads-up display based on system requirements.
- Implemented DO-178B verification test cases in Python.
- Worked with a team to develop and improve an internal test framework written in Python.
- Worked with other engineering disciplines to troubleshoot and debug software issues based on internal test failures and customer reports.

### *BEC Internship*

Intel - Jones Farm Campus, Hillsboro, OR  
Jul 2007 - Aug 2008  
Software Engineering Assistant

- Tested alpha/beta versions of Intel Compiler software on Linux.
- Worked with compiler install team to identify and fix bugs.
- Administered a computer lab containing 10-15 linux systems.
- Set up a VMware server as part of a project to reduce lab overhead by replacing physical machines with virtual ones.

## SKILLS & EXPERIENCE

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

Last updated: October 18, 2017