

# Josue Orozco

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## PROFESSIONAL SUMMARY

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Experienced software engineer with a proven track record of developing and maintaining mission critical software. Consistently recognized as hands-on when bringing forth expertise in all stages of the software development lifecycle. Enthusiastic learner and dependable team player always ready to collaborate and fulfill customer needs.

## PROFESSIONAL EXPERIENCE

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**Insitu, Inc, Software Engineer - RQ21A Blackjack Program** August 2020 – present  
Hood River, OR

- Collaborated in the development of High-level Designs and Detailed Designs of new product features for a distributed real-time embedded software system.
- Programmed new aircraft components and refactored legacy components to align the interoperability of the distributed systems more closely with industry standards (STANAG 4586).
- Resolved software defects by locating and isolating the problem, identifying possible solutions, selecting a practical and effective approach, and validating correction by partnering with SQA.

**Insitu, Inc, Software Engineer - Advanced Development Program** August 2017 – August 2020  
Hood River, OR

- Championed new features across the software development life cycle in a highly agile environment.
- Designed system interfaces and developed C++ libraries for real-time embedded systems to communicate with new third-party hardware.
- Integrated hardware and software components into functional systems and collaborated with Simulation and Flight Operation teams to validate minimum viable product releases for early adopters.

**Insitu, Inc, Software Engineer Intern - Advanced Development Program** April 2017 – August 2017  
Hood River, OR

- Headed a research spike to validate if the autopilot companion computer could provide navigational redundancy when in a GPS-denied environment by down-selecting sensors to an onboard camera and developing a pattern detection and tracking application with the OpenCV library.
- Created the user interface for a Windows application in C# using the MVVM architecture that allowed aircraft operators to configure the radio settings in a user-friendly manner as an alternative to the command line.

## TECHNICAL SKILLS

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**Software:** C++, Python, Linux, Visual Studio, Eclipse, MATLAB, CMake

**Project Tools:** Git, Bitbucket, Jira, Confluence, Agile Methodology, Perforce, Crucible, MKS Integrity

## EDUCATION

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**University of Florida, Gainesville, FL**

*Bachelor of Science in Aerospace Engineering*

GPA: 3.8/4.0 - Summa cum laude honors, Dean's list

May 2016

*Bachelor of Science in Mechanical Engineering*