


# Kendrick Trowbridge

[kenny.trowbridge@gmail.com](mailto:kenny.trowbridge@gmail.com) 

(206) 406-0917 

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## Experience

### Software Engineer 3, (2022-Present)

Insitu Inc.

- Technical lead for the core Ground Control Station software.
- Created a utility library to resolve defects around the inconsistent handling of quantities of measurement across software products. Managed the CI/CD pipeline for the library integrating NuGet, TeamCity, and Cake scripts while maintaining at least 85% unit test code coverage.
- Designed, implemented, and tested a telemetry recording and playback utility for use in root cause analysis investigations. Leveraged .NET asynchronous pipelines to process telemetry data while maintaining responsiveness of user interface.
- Designed and implemented a complete rework of proprietary system configuration software tool to be used by operators in the field. Worked extensively with teammates and internal customers to design an intuitive interface to simplify workflow of operational site set-up.

### Software Engineer 2, (2018-2022)

Insitu Inc.

- Redesigned integrated electronic checklists to support CommonMark rendering, embedded WPF controls, and improved user workflow. Worked directly with internal customers to determine needs and revise or improve existing implementation.
- Designed and implemented a plug-in integration for DJI quad copters with our core GCS software that involved a .NET plug-in for the GCS, an Android app developed using .NET and Xamarin, and a REST interfaces to communicate between the two.
- Acted as Product Owner for release of 3<sup>rd</sup> party integration; managed product backlog, communicated with project managers on release status and adjusted backlog as needed based on feedback.

### Software Engineer 1, (2016-2018)

Insitu Inc.

- Designed and implemented the integration of an inversion of control container into our next generation VSM software API.
- Resolved defects in flagship software application and dealt with a significant portion of legacy code.

### Software Intern, (2015)

Insitu Inc.

- Worked with team members on the integration of an open-source autopilot into our GCS application. Cross-compiled Linux based aircraft simulation to a windows executable to allow easy testing of integration.

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## Skills

C# • .NET • WPF • Git • API Development • UI Design • REST • CI/CD • Visual Studio

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## Education

2012-2016

**Bachelor of Science in Computer Science**

University of Portland, Portland OR