

# SIERRA MAPLE

linkedin.com/in/sierra-maple | smaple065.github.io

## KEY TECHNICAL SKILLS

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C/C++	Angular	HTML/CSS	Windows/Linux
C#	ReactJS	Atlassian Suite	Unity
Go	Jasmine	Bash	Agile Scrum

## PROFESSIONAL EXPERIENCE

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### Software Engineer | Microsoft | Redmond, WA

Aug 2024 – Sep 2024

- Owned and managed fixture control configuration for a next-generation product test platform, ensuring precise operation within the manufacturing environment
- Enhanced logging accuracy of platform status, reducing downtime and improving overall manufacturing efficiency
- Was laid off when position was eliminated due to budget changes

### Software Engineer | Astronics AES | Everett, WA

Dec 2019 – Aug 2024

- Designed and implemented Azure-based C# telemetry data server storing customer metadata, providing key metrics which allow developers to focus on features of most value
- Contributed to the critical design stages of an embedded C++ streaming server for translating avionics bus data into ethernet
- Directed user interface design for Windows and iOS applications, resulting in intuitive and aesthetically pleasing user experience
- Designed and developed custom C++ low level API to translate avionic protocols into ethernet protocol to reduce the need for learning proprietary Astronics drivers for products, reducing effort required by users
- Integrated embedded network data loading protocol into Avionics computer using Go
- Generated user interface designs for mobile application intended for displaying and recording of flight data
- Optimized Windows C# applications used by the manufacturing team, increasing their efficiency and ease of use

### Software Intern | Pacific Northwest National Laboratory | Seattle, WA

Jun 2016 – Jul 2019

- Directed software development of a desktop application in C# for a platform intended to evaluate partner countries' export control mechanisms and processes
- Created a dynamic data visualization using C# for use in virtual reality environments
- Converted an internal application portal from JavaScript to ReactJS
- Contributed to the inception, design, and development of three virtual reality games in Unity that serve to demonstrate computer science concepts to K-12 students

## EDUCATION

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### Bachelor of Arts in Computer Science | Seattle Pacific University | Seattle, WA

Jun 2019