Alec Otterson

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# Summary

Innovative developer with experience in web development, coding, and electronics, backed by a Bachelor of Science in Computer Engineering from Brigham Young University-Idaho and a Certificate in Full Stack Web Development from the University of Utah. Highly adaptable and driven to collaborate meaningfully with others to make the future a reality.

# Skills and Technologies

**Languages:** JavaScript ES6+, CSS3, HTML5, SQL, NoSQL, C++, Python, Verilog, C, Java

**Applications:** GitHub, MongoDB, MySQL, Linux, LTspice, Docker

**Tools:** Express, React, Node.js, GraphQL, Handlebars, Query, Bootstrap, Vivado, Tensorflow, FPGA

# Education

**Bachelor of Science in Computer Engineering Graduation 2022**

*Brigham Young University-Idaho Rexburg, ID*

**Certificate in Full Stack Web Development****June 2022 – Dec 2022**

*University of Utah Salt Lake City, UT*

# Relevant Experience

**Unplayable – Hardware Insights Website** [***[link]***](https://unplayable.herokuapp.com/) **90 Hours**

*University of Utah Salt Lake City, UT*

* Engaged with a motivated team to design and bring to fruition a website that effectively reduced by 10x the time required to screen PC games based on individual hardware capabilities
* Employed SQL, 3rd party APIs, node.js, JavaScript, and Handlebars to handle vast datasets, quickly compute results, and aesthetically render these results on the client side

**Quick Byte – Restaurant Exploration Website** [***[link]***](https://acorbridg.github.io/Project1/) **40 Hours**

*University of Utah Salt Lake City, UT*

* Worked effectively with a remote group of novice web developers to apply a recently gained skillset to build out a functional and useful website for finding quick local meal options
* Drew upon HTML, JavaScript, CSS, and API tools to find, process, and display relevant items
* Built upon existing knowledge and skills, teamwork, aptitude for learning, and effective documentation and web research to overcome challenges and skill gaps to achieve the project objectives

**Aerobi Fitness App June 2020 – May 2021**

*Aerobi Inc. Provo, UT*

* Collaborated within an agile Scrum framework to outline, evaluate, and complete evolving project requirements
* Researched, implemented, and tested machine learning algorithms to accurately determine and evaluate subject positions in live video footage
* Developed tailored annotation tools in Python and JavaScript and coordinated usage of these tools with a team to generate thousands of data points for algorithm analysis
* Implemented a secure server connection and Docker container for remote training of algorithms

# Aside

Eagle Scout ♦ Swimming State Qualifier ♦ Chile Service ♦ Freeze Dry Personal Project ♦ Pilot Goals ♦ Merchant Marine