Alec Otterson

acotterson@gmail.com ♦ 480.703.7628 ♦ <https://acotterson.github.io/StackPortfolio/>

# Education

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

*Brigham Young University-Idaho Rexburg, ID*

* Relevant coursework: Object Oriented C++, Data Structures, Digital Circuit Design, AI Development
* C++, Python, Java, Verilog FPGA simulation

**Certificate in Full Stack Web Development June 2022 – Nov 2022** *University of Utah Salt Lake City, UT*

* Full-Stack Web Development
* Relevant skills: HTML, CSS, JavaScript, Node.js, SQL, NOSQL, REST API, GraphQL, MVC, React

# Experience

**Unplayable-Hardware Insights Website 90 Hours**

*University of Utah Salt Lake City, UT*

* Harmonized with a motivated squad to design and bring to fruition a website that effectively slashes by 10x the time required to screen PC games based on individual hardware capabilities
* Impressed 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
* Grappled determinedly with disparate descriptions in API datasets, armed with keen Regex logic, to integrate them into usable standard benchmarks

**Quick Byte-Restaurant Exploration Website 40 Hours**

*University of Utah Salt Lake City, UT*

* Allied remotely with several fellow web development novices 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 efficient documentation and web research to overcome challenges and skill gaps to achieve goals

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

*Aerobi Inc. Provo, UT*

* Collaborated within a scrum framework to outline, evaluate, and complete evolving project goals
* 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