Zack Anderson

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Education:

MECHANICAL ENGINEERING | UNIVERSITY OF UTAH   **EXPECTED GRADUATION: 2021**
· Minor in Physics

Coding Bootcamp | University of Utah   **10/2020 - 4/2021**
-Seeking Bootcamp completion certificate

Experience:

Full Stack Developer | Coding Bootcamp University of Utah   **10/2020 - 4/2021**

-Responsible for building the back end for DevHub using Sequelize and Javascript to make functional and efficient API routes for storing and accessing database information on the front end.
-Designed modular HTML using Handlebars.js to create effective and reusable templates for DevHub to remove duplicate code and refactor the existing HTML.
-Led the development and design of Trivia Kings, a trivia-based game, using JavaScript, HTML, and CSS that utilizes the jservice.io API to ask Jeopardy style questions.

DEVELOPMENT AND OPERATIONS INTERN | NOK | BERLIN, GERMANY   **6/2018 - 8/2018**
· Helped build their website and integrate their Excel and WordPress operating systems to function efficiently
· Led the social media marketing team and worked with the sales division to expand their customer base
· Designed a more effective operating system for managing day to day tasks

Class Work:
· Designed a wind farm using a statistical analysis of fluid dynamics to model turbulence wakes and power production per unit area.
· Using a Design of Experiments approach for thoughtful statistical analysis of data sets and information.
· Led a group that designed and programmed an automated ping pong ball launcher that could accurately hit targets a meter away using a picture as the only input.
· Built a water pump that pumps five gallons per minute on a budget of fifty dollars.
· Constructed a sorting machine that utilizes detectable material differences to accurately sort various objects.

Extracurriculars:
· Building custom pairs of skis while still being cost efficient to bring affordable skis to college students.
    -Used AutoCAD to design the layout and shape of the skis accurately.
· Aerospace Club
    -Designed the parachute and deployment method for both the parachute and drogue chute.
· Member of Phi Delta Theta Fraternity.

Skills:
· SOLIDWORKS CSWA Associate Certificate   · Data Analysis
· Excellent C++ and MATLAB programming skills   · Handlebars.js
· HTML, CSS, JavaScript   · Express.js, Node.js
· MySQL, SQLite, Sequelize   · GitHub