**Robert Decker**

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**Education**

**Clarkson University** (Class of 2023)

* BS Software Engineering (ABET accredited)– Graduation Date (May, 2023)

**Honors/ Awards**

* Mu Alpha Theta (Math Honors Society)
* Presidential Scholar Fall 2018, Spring 2019, Fall 2019, and Spring 2020 Semester (GPA higher than 3.8)
* Clarkson University Excellence Award

**Relevant Experience**

**Council Rock Internship** – January 2021 – June 2021

* Initiated further development of a Python automated testing suite
* General Linux embedded system programming with Python and Bash
* Website development using JavaScript:
  + Modem firmware page to demonstrate firmware for different modem cards
  + Sim info page to show information about current sim and set up sim switching

**University Projects** (Summer 2019 - Spring 2023)

* **Capstone Website (Team lead)** - A full stack site involving user authentication – provided access for users to upload files similar to Moodle. Used HTML, CSS, Javascript, Django, and MYSQL
* **Wheel of Chores** - A full stack application that uses Javascript, NodeJS, Express, and MongoDB with MongoDB Atlas hosted on an AWS EC2 instance to randomly select a person to do a chore.
* **Moodle** – Created open-source contributions to Moodle using PHP and ran tests using Behat
* **Clack** - A Java slack clone that is utilized for transferring messages and the development and creation of text channels
* **Embedded System** - Wrote embedded C code on FRDM-KL25Z microcontroller to perform various functions
* **Amazon Android app** – Created an android app that allowed users to search through items and add them to a cart using Java
* **Traffic Light Simulation*:*** Utilized global variables across multiple files, combining hardware and coding, leveraging sensor technology to detect vehicles

**Additional Technical Projects**

* **Portfolio** – Developed a portfolio site using ThreeJS and Vite for the purpose of demonstrating the portfolio’s most recent technical projects. Portfolio can be accessed at: [**https://robbiedecker.com/**](https://robbiedecker.com/)
* **Minecraft Server** - Operated a Minecraft bukkit server off a raspberrypi3 and the Oracle Cloud Infrastructure, performing and troubleshooting/testing with configuration files
* **Odin Project:** Open-source roadmap for full stack web development
* **Leetcode**: Online learning programming platform

**Coding Experience**

* JavaScript, CSS, HTML, React, Python, MySQL, NodeJS, Webpack, Vite, Java, C++, C, PHP, Django, MATLAB, MIPS assembly

**Work Experience**

**Czig Meister Brewing Company-** 2023-Present

* Work full time to craft beer, create interactive events, and communicate with fellow employees

**SJJ HVAC Company-** 2014-Present

* Apprentice for a small HVAC business - Developed skills in complex wiring, soldering, and technical problem solving and troubleshooting on multiple service calls

**Extra-Curricular Activities**

**Clarkson University Ski Club,** Clarkson University (2018- 2020)

**Clarkson University Google Developer Student Club**, Clarkson University (2021- 2023)