**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

**Experience**

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

* 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 demonstrate 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 to users for upload files similar to Moodle
* **Moodle** – Created open-source contributions to their site.
* **Clack** - A java slack clone that is utilized for transferring messages and the development and creation of 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.
* **Traffic Light Simulation*:*** Utilized global variables across multiple files, combining hardware and coding, leveraging sensor technology to detect vehicles.
* **Wind Turbine Program:** Performed specific data analysis for the creation of graphs and plots of a fully operating turbine in MATLAB.

**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: [**https://robbiedecker.com/**](https://robbiedecker.com/)
* **Minecraft Server** - Operated a Minecraft bukkit server off a raspberrypi3, 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.

**Part-time Work Experience**

**SJJ HVAC Company-** 2014-2023, Summers

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

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

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