**Robert Decker**

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**Education**

**Clarkson University** (Class of 2023)

* Major in Software Engineering accredited by the Engineering Accreditation Commission of ABET
* 3.260 GPA

**Relevant Experience**

**Council Rock Internship** (Winter 2021- Summer 2021)

* General Linux embedded system programming with Python and Bash
* Website development using Javascript
  + Modem firmware page to show off current firmware for different modem cards
  + Sim info page to show information about current sim and set up sim switching

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

* **Capstone Website (Team lead)** - A full stack site that has user authentication and allowed users to upload files much like moodle
* **Moodle** - Made open source contributions to their site
* **Clack** - A java slack clone that could be used to transfer messages and create channels
* **Embedded System** - Wrote embedded C code on FRDM-KL25Z microcontroller to perform various functions
* **Amazon app** - An android app that allowed users to search through items, and add them to a cart
* ***Traffic Light Simulation:*** Used global variables across multiple files, combining hardware and coding, utilized sensors to detect vehicles
* **Wind Turbine Program:** Performed data analysis to create graphs and plots of a spinning turbine in MATLAB

**Personal Projects**

* **Portfolio** - Put together a portfolio site using ThreeJS and Vite to show off the most recent projects I have been working on. Can be found at [**https://robbiedecker.com/**](https://robbiedecker.com/)
* **Minecraft Server** - Ran a Minecraft bukkit server off of a raspberrypi3, performed troubleshooting and testing with configuration files

**Current Work**

* **Odin Project:** Open source roadmap for full stack web development
* **Leetcode**: Online learning programming platform

**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)
* CU Excellence Award
* Coaches Award in Lacrosse (demonstrated leadership)
* Delegate of the 72nd session of American Legion’s New Jersey boy state.

**Coding Experience**

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

**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- 2022)

**Varsity Cross Country,** Hackettstown High School (2015-2018); Captain (2017-2018)

**Varsity Lacrosse,** Hackettstown High School (2015-2018)

**Key Club,** Hackettstown High School (2017-2018)

**Work Experience**

**SJJ HVAC-**(Summer 2014-2019)

* Worked as an apprentice for a HVAC business, learned to wire, solder, and service