**Robert Decker**

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**Education**

**Clarkson University** (Class of 2022)

* Major in Software Engineering

**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

**Self-Directed Projects** (Summer 2019 - Present)

* **Minecraft Server** - Ran a Minecraft bukkit server off of a raspberrypi3, performed troubleshooting and testing with configuration files
* **Python Weather App Project, Self-Directed Project** - Used a weather API for data reference, watched YouTube videos to teach myself how to complete the project

**MATLAB Projects,** Clarkson University (Spring 2019-Summer 2019)

* ***Traffic Light Simulation:*** Used global variables across multiple files, combining hardware and coding, utilized sensors to detect vehicles
* ***Thermostat Program:*** Utilized Simulink visual editor to analyze room temperatures and regulate furnace to keep temperature stable
* ***Wind Turbine Program:*** Performed data analysis to create graphs and plots in MATLAB

**Current Work**

* **Capstone Website:** Making a website to show what Clarkson Software engineers are working on
* **Moodle Development:** Working in a group to make feature changes to Moodle, a open source Learning Management System
* **Odin Project:** Open source roadmap for full stack web development

**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**

* C++, C, MATLAB, Python, Django, HTML, CSS, Javascript, NodeJS, Java, BASH, 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- Side Job Johnson Heating and Air Conditioning** (Summer 2014-2019)

* Worked as an apprentice for a HVAC business in local towns around Hackettstown, New Jersey, learned how to install and fix heating and cooling systems. Worked with wiring and servicing