Chase Mulder

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RELEVANT COURSEWORK

- **Introduction to Engineering Design II**
- **Linear Algebra and Differential Equations**
- **Statistical Modeling for Engineering**
- **Discrete Structures Computer Science II**
- **Microcontroller Programming**
- **Probability & Signal Analysis**
- **Measurement & Data Analysis**
- **Computer Science I**
- **Engineering Physics**
- **Circuit Analysis I**
- **Statistical Modeling**
- **Computer Science II**

EDUCATION

Grand Valley State University, Allendale, MI   Expected Graduation Date: December 2022

    Bachelor of Science   Major GPA: 3.29

    Major: Computer Science

    Minors: Computer Engineering and Mathematics

PROFESSIONAL EXPERIENCE

Five Guys Burger and Fries – Crew Member   2016 - Present

PROFESSIONAL TECHNICAL SKILLS

- **C/C++**
- **Java**
- **Git**
- **Python**
- **R**
- **Matlab**
- **Micro Controllers**
- **Assembly Code**
- **Web Scripting/HTML**
- **Linux**
- **Servers**
- **Macros**
- **GUI's**
- **Circuits**
- **Video Editing**

PROJECTS

- **Introduction to Engineering Design II - Robot Soccer Competition**   **Fall 2018**
  - Successfully scored a goal in an arena full of other robots. Fabrication of robot used ultrasonic sensors, switches, and motors. Knowledge of assemble code was used operate the CNC machine for the chassis.
- **Digital Systems - Vending Machine**   **Fall 2019**
  - Coded Digital systems using Composer Studio and Verilog Code. The final class project was to create the schematic and simulation tables for a vending machine. A mastery of logic gates was gained.
- **Micro Controllers - Slots Machine**   **Winter 2019**
  - An Arduino Mega and C Code controlled speakers, IR sensors, a keypad, a 7-segment-display, and an LCD display. Wiring was neat because of proficiency in soldering.
- **Computer Science II – Poker Dice Game**   **Fall 2020**
  - Yahtzee was coded in Java. JPanel GUI code was modified, and Junit tests were passed in completion of the final Computer Science II project.