

Chase Mulder

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EDUCATION

Bachelor of Science: Computer Science
Grand Valley State University, Allendale MI
Minor: Computer Engineering & Mathematics
Dean's List: April 2020 – Present

Expected Graduation: **December 2022**
Major GPA: **3.42**

WORK EXPERIENCE

5 Guys Burgers and Fries – Crew Member

2016-2021

PROFESSIONAL KNOWLEDGE & TECHNICAL SKILLS

C/C++	Engineering Design	Git
Java	Micro Controllers	Assembly Code
Python	SQL	Circuits
Linux	R	Servers

COURSEWORK

Introduction to Software Engineering

Fall 2021

- Fabricated a *virtual stock ticker* that successfully connected to the internet and utilized the software XAMPP, Apache, and MariaDB to run SQL code
- Designed, implemented, and managed a database where users could select which stock tickers to track
- Aided in the creation of the Database's server and configuration of its port settings

Structure of Programming Languages

Fall 2021

- Developed the alien space shooter game Galaga in PyGame, Python code
- Compiled python code into an executable terminal game with working sounds, music, and spaceship icons

Discrete Structures Computer Science II

Winter 2021

- Utilized knowledge of Java programming and computational skills to decrypt the Diffie Hillman algorithm
- Created a program that deciphered encrypted messages

Microcontroller Programming

Winter 2020

- Developed a slots machine utilizing knowledge of Boolean algebra, combinational and sequential logic, and state machine design
- Designed a digital system using the MSP432 micro processor's hardware description language-based manual

Introduction to Engineering Design II

Fall 2019

- Built a soccer playing robot that accomplished scoring a goal
- Developed C Code for the Arduino Mega micro controller that controlled ultra-sonic and IR sensors that helped the robot wall follow
- Manufactured 3d printed robot parts in Solid-Works while crafting high level engineering design drawings