

# Calum Siemer

Computer Engineering & Computer Science Minor, Cybersecurity Minor  
University of Delaware 2023

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## EXPERIENCE

### Software Engineering, IQVIA — Intern

June 2022 - September 2022

Full Stack Developer for intern project on scrum team. The full stack project was a flask application on python with multiple database connections and the frontend was based on the javascript framework React.

### Bartender — Startup Company

My senior design project which grew into something I spend a lot of my free time working on. It is a full stack website I developed where bartenders can get hired for local gig-work. I set up all the infrastructure for the website. The website is hosted off a dedicated machine through my wifi router. React, Python, SQLite, nginx, and certbot among other things were used in the development and launch. Check out the website for yourself at [www.bartender.work](http://www.bartender.work).

### Vector Marketing Corporation, New London, CT — Branch Manager

January 2019 - September 2020

Office Manager for New London County. Recruited, Interviewed, Hired, Trained, and Managed a group of sales representatives. \$70,000 in personal sales.

## EXTRACURRICULARS

### Business Basics for Engineers- Club

Phi Kappa Sigma ΦΚΣ- Founding Father/Recruitment Chair/President

## PROJECTS (School and Personal)

### Games — Python, C, and C++

I created a Physics Based Python Game with GUI, single player Black Jack in C, a maze game with traps, health, and a moveable character in C++.

### FPGA — Field Programmable Gate Array

VHDL Projects and Labs using the Zybo Z7. Focused around digital systems and logic gates.

### Raspberry Pi — Binary Clock

A C based program on the raspberry pi that would display the exact time in binary across an add-on to the raspberry pi called a sense hat.

### Piano — Microcontroller

A C programmed microcontroller for recording and playing songs on a 10 digit keypad.

### PCB — Arduino and AdaFruit IoT

A PCB created in EAGLE to mount an Arduino and display real world data online.

### Data Structures — C++

Doubly Linked List Project to create Music Playlists with a text document of Songs, Artist, and Song Lengths. Binary Tree Project to sort through students and their information. Hashmap project to computer generate potential sentences a particular author might write based on books they have written.

### Boot Camps — Udemy

Full Stack Web Development Bootcamp: JavaScript, React, Python, Docker, Flask, API, Bootstrap, Git & Postman, IOS & Swift: iOS App Development Bootcamp, Python for Data Science and Machine Learning Bootcamp: NumPy, Pandas, Seaborn, Matplotlib, Plotly, Scikit-Learn, Machine Learning, Tensorflow, etc.

## SKILLS

Coding  
Interviewing  
Training  
Sales  
Teamwork  
Leadership  
Strong Work Ethic  
Troubleshooting  
Debugging  
PCB Design  
IoT  
Adobe PS & LR  
Final Cut Pro X  
Logic Pro X

## AWARDS

Top Sales Rep  
Dean's List  
Order of the Engineer

## Coding Languages

Python, C, C++,  
VHDL, MATLAB,  
JAVA, html,  
javascript(React)

## LinkedIn



