

# David Kaler

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## Education

### **LOYOLA UNIVERSITY MARYLAND**

Bachelor of Science in Engineering, Concentration: Computer Engineering, 3.63 GPA

Baltimore, MD

May 2023

Clubs: Engineering Club, Robotics Club

Honors: Deans List (Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022)

Relevant Course Work: FPGA Design, Object-Oriented Programming, Computer Architecture, Communication Systems, Linear Circuit Analysis, Signals and Systems, Electronics, Digital Logic

### **STUDY ABROAD**

American University Dubai

Computer Engineering

Dubai, UAE

January 2022 – April 2022

## Experience

### **BAE SYSTEMS**

#### **SOFTWARE ENGINEER - TECHNICAL INTERN III**

Greenlawn, New York

June 2022 – August 2022

- Created an internal webserver that will be used across the company, estimated to cut the time spent filling out the software turnover document in more than 60%.
- Utilized HTML, CSS (UIKit, Bootstrap), JS, Pyscript, API (Flask), Ajax, NodeJS, and PHP.
- Created and used APIs along with help from web scraping to obtain information needed to in turnover documents
- Created a database abstraction layer with PostgreSQL, able to perform CRUD operations through Flask server
- Presented progress reports and demonstrations to my team on the inner workings of my code and webserver
- Professional Documentation and Teamwork (Agile project management, and daily scrums)

### **AMERICAN UNIVERSITY DUBAI**

Dubai, UAE

#### **PYTHON WORKSHOP LEADER**

January 2022 – April 2022

- Led several workshops throughout the semester to aid students more proficient in C++ learn Python
- Taught important Python libraries for data analysis: NumPy, Matplotlib, Pandas, and SciPy
- Taught Object-Oriented Programming skills (Classes, Objects, Inheritance, Encapsulation, Data Abstraction, Polymorphism)

### **MOUNT SINAI SOUTH NASSAU HOSPITAL**

Oceanside, New York

#### **IT Intern**

July 2021 – August 2021

- Imaged and re-imaged computers for employee use
- Putting together PCs and installing desk top set ups
- Experience with wiring and resetting servers in Server Rooms
- Resolving hardware and software issues for medical cart computers
- Professional communication and work atmosphere

## Leadership & Activities

### **VARSITY SPORTS**

- Football Team, Spring Track Team, Basketball Team

Oct. 2017 – May 2019

### **BOYS AND GIRL CLUB**

#### **Volunteer**

- Helped students K-8 with homework, then planned fun activities for them upon completion

Mineola, New York

Oct. 2018 – Nov. 2018

## Skills

**Software**: Python, Java, C#, C++, VHDL, SQL, HTML, CSS, JavaScript, Bootstrap, PHP, JQuery, Git, Agile/Scrum, Matlab