David Kaler

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Github: https://github.com/dikaler , Github Pages: https://dikaler.github.io/

LinkedIn: https://www.linkedin.com/in/david-kaler-57b530209/

Education

LOYOLA UNIVERSITY MARYLAND   Baltimore, MD

BSE, Computer Engineering, 3.65 GPA   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, Linear Algebra, Calculus III, Probability and Statistics

STUDY ABROAD   Dubai, UAE

American University Dubai   January 2022 – April 2022

Computer Engineering

Experience

BAE SYSTEMS   Greenlawn, New York

SOFTWARE ENGINEER - TECHNICAL INTERN III   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

Leadership & Activities

VARSITY SPORTS

- Football Team, Spring Track Team, Basketball Team   Oct. 2017 – May 2019

BOYS AND GIRL CLUB   Mineola, New York

Volunteer   Oct. 2018 – Nov. 2018

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

Skills

Software: Python, Java, C#, C++, Object-Oriented Programming, VHDL, SQL, HTML, CSS, JavaScript, Bootstrap, PHP, jQuery, Git, Agile/Scrum**,** Matlab