David Kaler
Software Developer

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EXPERIENCE

Software Engineer - Technical Intern III

BAE Systems
06/2022 - 08/2022   Greenlawn, NY

U.S. Subsidiary of BAE Systems PLC, An International Defense, Aerospace and Security Company

- Developed and deployed a company-wide internal webserver, resulting in 60% reduction in the time spent filling out software turnover documents
- Proficient in utilizing various front-end technologies such as HTML, CSS (including UIKit and Bootstrap), JavaScript, and Ajax, as well as back-end technologies such as Pyscript, API (including Flask), NodeJS, and PHP
- Created and implemented API's using web scraping techniques to extract and integrate essential data into the turnover documents
- Designed and developed a database abstraction layer using PostgreSQL and Flask server, enabling efficient CRUD operations
- Presented progress reports, conducted demos, demonstrated excellent documentation skills/teamwork through Agile project management and daily scrums

Python Workshop Leader / Study Abroad

American University Dubai
01/2022 - 04/2022   Dubai, UAE

Private, Academically and Culturally Inclusive Institution of Higher Learning

- Conducted a series of workshops over the course of the semester, aimed at helping students who were proficient in C++ to learn Python.
- Demonstrated proficiency in teaching essential Python libraries used for data analysis, including NumPy, Matplotlib, Pandas, and SciPy
- Taught students important Object-Oriented Programming concepts, such as Classes, Objects, Inheritance, Encapsulation, Data Abstraction, and Polymorphism

IT Intern

Mount Sinai South Nassau Hospital
07/2021 - 08/2021   Oceanside, NY

Award-winning, Not-for-profit Teaching Hospital

- Imaged and re-imaged computers for employee use
- Assembled PCs and installed desktop set ups
- Experience with wiring and resetting servers in server rooms
- Resolved hardware and software issues for medical cart computers

EDUCATION

Bachelor of Science in Engineering

Loyola University Maryland   GPA: 3.65/4.0
09/2019 - 05/2023   Baltimore, MD

- Specialization: Computer Engineering
- Honors: Dean's List (All Semesters)
- Clubs: Engineering Club, Robotics Club
- 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, VLSI Design, Senior Design (Capstone)

SUMMARY

I possess a diverse skill set with a strong proficiency in programming languages such as Python, C++, and JavaScript. I am able to effectively self-manage during independent projects while also collaborating well in a team setting. Additionally, I am committed to continuously learning and adapting to new technologies. Most importantly, I am passionate about programming and committed to delivering high-quality work.

SKILLS

- Python
- JavaScript
- HTML/CSS
- Object-Oriented Programming
- Java
- C++
- jQuery
- SQL
- Data Analysis
- Documentation/Communication

PROJECTS

Jared's Communication Device
Capstone Project: VME (Volunteers for Medical Engineering): A specialized device with the ESP32-LyraT-Mini and reconfigured existing code to perform auditory functions to help an autistic young man become more independent

NBA Scraping Tool
The user is providing with several stats pertaining to an NBA team of their choice

Password Verifier
The user is providing information, as well as dynamic updates, on the strength of their inputted password

Encoding/Decoding Tool
The user enters a word/phrase to be encoded. To decode it, the user inputs the encoded message and a list containing its shifts