

Daniel Kirkpatrick

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EDUCATION

California Polytechnic State University - College of Engineering

San Luis Obispo, CA

Bachelor of Science in Computer Science

2020

EXPERIENCE

Software Engineer

2019 – 2021

Omegabit, LLC

San Luis Obispo, CA

- Redesigned front end to improve SEO (Search Engine Optimization) targeting enterprise customers
- Developed APIs to securely send assets to Augmented Reality/Virtual Reality application
- Automated file conversion and optimization to display in 3D
- Fixed bugs in large, poorly documented codebase
- Developed an Augmented Reality/Virtual Reality application to host multiple concurrent users in private virtual rooms

CERTIFICATIONS

CompTIA Security+

2023

CompTIA SY0-601

Cloud Services

- CompTIA Security+ is a global certification that validates the baseline skills necessary to perform core security functions and pursue an IT security career.
- Covers analyzing threats or vulnerabilities, regulation compliance, and designing and evaluating security systems.

AWS Solutions Architect - Associate

2023

Amazon Web Services SAA-C03

Cybersecurity

- Validates technical expertise in designing and deploying scalable, highly available, and fault-tolerant systems on Amazon Web Services.
- Shows knowledge and skills in compute, networking, storage, and database AWS services.
- Includes experience in deploying, managing, and operating workloads on AWS as well as implementing security controls and compliance requirements.

PROJECTS

MMORPG Automation | *Python, pyautogui*

- Developed a bot to automate repetitive tasks in a Massively multiplayer online role-playing game
- Avoided cheat detection through use of human patterns

Website Portfolio | *reactJS*

- Developed a website to display my portfolio and resume
- Hosted on Amazon Route 53

Closed Caption Scraping | *Python, pandas, BeautifulSoup, Jupyter*

- Scrape a teachable website to retrieve each lecture's closed caption link.
- Retrieve captions from URL and convert to a readable format.

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS

Frameworks: React, Node.js

Developer Tools: Git, Amazon Web Services, VS Code, Visual Studio, Eclipse

Libraries: pandas, NumPy, pyautogui, BeautifulSoup, JuPyter