Daniel Kirkpatrick

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EDUCATION

California Polytechnic State University (SLO) - College of Engineering San Luis Obispo, CA
Bachelor of Science in Computer Science *Graduated 2020*

EXPERIENCE

Software Engineer - Full Stack 2019 – 2021
Omegabit, LLC *San Luis Obispo, CA*
- Developed RESTful API's in order to securely send assets to Augmented Reality/Virtual Reality application (encryption in transit and at rest)
- Automated file conversion and optimization to display in Augmented Reality / Virtual Reality
- Redesigned front end to improve SEO (Search Engine Optimization) in order to target enterprise customers
- Developed an Augmented Reality/Virtual Reality application to host multiple concurrent users in private virtual rooms

CERTIFICATIONS

CompTIA Security+ 2023
CompTIA SY0-601 *Cybersecurity*
- 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 *Cloud Services*
- 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 assively multiplayer online role-playing game (MMORPG)
- Successfully avoided bot detection through the use of randomization and human-like patterns

Website Portfolio | *reactJS*
- Developed a static website in reactJS in order to display my portfolio and resume
- Hosted on Amazon Route 53
- Automatic deployment with git push

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
Interests/Specialties: Cybersecurity, Cloud Services, Automation, Artificial Intelligence, Web Development, Software Engineering, Augmented Reality, Virtual Reality, API Development