

# Daniel Kirkpatrick

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## EDUCATION

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**California Polytechnic State University - College of Engineering**

*Bachelor of Science in Computer Science*

San Luis Obispo, CA

*Sept 2014 – April 2020*

## EXPERIENCE

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**Software Engineer**

*Omegabit, LLC*

Feb 2019 – Feb 2021

*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

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**CompTIA Security+**

*CompTIA SY0-601*

February 2023

*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**

*Amazon Web Services SAA-C03*

March 2023

*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

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**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

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**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