Alexander Joslin

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Experience

Code Coach, The Coder School: San Diego, CA — Sep 2018 - Aug 2022

- Taught programming classes to adolescents on topics such as OOP, data structures, design patterns, APIs, and more

Software Engineer In Test Intern, Quake Global: San Diego, CA — Feb 2021 - May 2021

- Ensuring product quality by performing black box, regression, and automation tests on embedded systems
- Responsibilities included setting up test sets, test plans, bash scripting, utilizing FTP servers, RabbitMQ, MQTT, and more

Associate Software Engineer, Northrop Grumman: San Diego, CA — Sep 2022 - Present

- Experience in DevSecOps with CI/CD pipelines, Groovy, Jenkins, Nexus, AWS AppStream, VMware vCenter, PowerShell
- Experience in Cyber Security with vulnerability scanning using ACAS, SCAP, Fortify and Windows patching using WSUS
- Awarded an NG coin, and bravo for supporting JADC-2 and providing instrumental effort with the Tech Asset Store (TAS)

Education

California State University San Marcos — Dec 2019

Bachelor's in Computer Science - GPA 3.30

University of Guadalajara (CUCEA) — Jul 2018

Spanish and Cultural Classes - GPA 3.50

Palomar College — Aug 2017

Associate's in Computer Science - GPA 3.24

Skills

Languages (Proficient) — Python, Java, HTML, CSS, Spanish

Languages (Familiar) — JavaScript, C#, C++, C, SQL, x86 Assembly, Bash, PowerShell

Software — Git, Jira, VS Code, Eclipse, Postman, Nexus, VMware vCenter, Jenkins, Docker, WSUS, Fortify

Operating Systems — ESXI, Windows 10, Windows Server, RHEL, Ubuntu, MacOS

Projects

File Bucket — Apr 2022

- Developed an app for my work that enables students and coaches to share text and files with one another conveniently
- It offers unlimited storage, no account is needed, quick and easy sharing, and it is free
- Written in Python using Django, AWS S3 for file storage plus HTML, SASS/CSS, and JavaScript for the frontend

Maze Solver — Dec 2021

- Interactive maze demonstrating how depth-first search and breadth-first search can be used to find a path
- Created in HTML, CSS, Bootstrap, JavaScript, and deployed on Heroku
- The app is viewable on desktop, tablet, and mobile devices

Finance Tracker — Nov 2021

- A REST API for users to keep track of their expenses. All CRUD operations are implemented
- Built with Spring Boot for the backend, React for the frontend UI, and MongoDB for the database
- Other technologies utilized include React-Bootstrap, Ajax, Lombok, Heroku, and Postman for testing

TheAlgorithms — Aug 2020

- Contributed to an open-source Git repo that aims to implement all algorithms in Python for educational purposes
- Implemented Dijkstra's two-stack algorithm and used Travis CI as our continuous Integration pipeline

Mancala AI — Mar 2019

- Written in C++ in collaboration with two dedicated team members
- The AI utilizes the minimax algorithm with alpha-beta pruning and heuristics to formulate its best possible move

x86 Assembly Website — Apr 2016

- A WordPress-built website containing source code and video tutorials to help individuals learn x86 Assembly