

Carmen Lee

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Work Experience

Software Engineer, EDG | MathWorks
Boston, MA

Aug 2023

Junior Developer | Intellimind
Las Vegas, NV

July 2021 - Present

- Built high performance, scalable, cross-browser compatible responsive web app with React, JS and other technologies for integration with [AWS Amplify](#), [Cognito](#), and [S3](#)
- Focused on new feature development, discussion and implementation of technical solutions, peer [code review](#), and [project oversight](#)
- Remotely provisioned and managed the performance of over 50 AWS resources ([EC2](#), [RDS](#), ...) to perform daily checks and tasks while troubleshooting as needed

Software Engineer Intern | Best Buy
Minneapolis, MN

June 2022 - Aug 2022

- Designed and built a web application to improve IT support experience
- Developed [RESTful APIs](#) and other microservices with [Spring Boot](#) for the backend
- Built reusable [React JS/TS](#) components to generate a form and other UI elements for the frontend

Skills

Languages: C/C++, Python, Java, JavaScript, TypeScript, HTML, CSS, Swift, x86 Assembly, php
Technologies: AWS, Git, React, Node JS, Spring, Figma, Arduino, Swagger, REST APIs, Selenium, Agile, MySQL

Projects

Diabetes Indicator Data Analysis | Python, Jupyter

[View Project](#)

- Analyzed open source dataset to detect diabetes in an individual using [Numpy](#) and [TensorFlow](#)
- Implemented various [machine learning](#) algorithms to create an accurate and optimal [predictive model](#)
- Won Grand Prize in undergraduate machine learning research competition

Cup Protector | C++, Swift, Arduino

[View Project](#)

- Programmed an [Arduino](#) module to an alarm-like device that protects a drink from being spiked
- Built an accompanying mobile [iOS app](#) that connects to the device via Bluetooth Low Energy and controls the alarm system

View more projects on my [Github](#) or [Website](#)

Education

University of Nevada, Las Vegas
Bachelor of Science - Computer Science

2023
GPA 3.70

Relevant Coursework: Intro to Computer Engineering, Data Structures and Algorithms, Computer Organization, Operating Systems, Information Assurance, Intro to Machine Learning, Automata, Internet Programming, Compilers

CodePath
Certificate in Intermediate Software Engineering

Remote
June 2022 - Aug 2022

AWS Certification
Certified Cloud Practitioner

June 2021

Community Involvement

Girls Who Code | Director of Social Media, Member, Vice President
Alpha Phi Omega | Fellowship Chair, Member

2019 - Present
2021 - Present