

Kirk Flores

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EDUCATION

San Bernardino Valley College

08/2020 - 06-2022

California State University - San Bernardino

06/2022 - 08-2022

Private Tutoring / Seattle WA

09/2022 - Present

- 1 on 1 Private tutoring sessions from Software Engineer in Fortune 100 company.

Relevant Topics:

- SDLC
- Code Readability
- Architectural Patterns
- Test-Driven-Development
- CI/CD
- Internationalization
- Design Patterns
- Data Structures & Algorithms

SELECTED PROJECTS

KirSpaceB.github.io(Personal Portfolio)

06/2023 - Current

- Personal portfolio featuring an interactive ChatGPT theme, complete with manually animated prompts and dynamically animated output fields, with projects page displayed via videos.
- Developed with React, TypeScript, and styled with TailwindCSS. Deployed with GitHub pages
- Created a **Dockerfile** for Continuous Integration (CI) and Continuous Deployment (CD) using **GitHub Actions**.

GIS-Data-Visualizer(Web Application)

04/2023 - 06-2023

- Web Application that visualizes population and county employment level on an interactive 2D map of the world.
- Integrated React, TypeScript with Esri's **ArcGIS Maps SDK** to render and customize API data on the map.
- Displayed data is handled through React Context, combined with the fetch API.

Personal-Investment-Helper(Full-Stack Web Application)

12/2023 - 03/2023

- Dashboard that links multiple financial Web APIs together leveraged for investment decisions.
- Developed stock charts with D3.js integrated with React, and handles historical stock data with Python-Flask.
- Implements **Unit** and **Integration tests** for components and application state managed using React Context.

Maze Solver

09/2022 - 11/2022

- Interactive application that lets users draw a maze with obstacles, and solve with algorithms such as BFS and DFS.
- Written in HTML, CSS, JavaScript for the Front-End. Manually animated with JavaScript.

EXPERIENCE

Professional Programming Tutor / Online

04/2023 - Current

- Individual Instruction: Delivered personalized one-on-one instruction to students on key JavaScript principles, terminal navigation, git/github, and setting up VS Code as an integrated coding environment.
- Debugging/Problem Solving: Guided student through debugging JWT authentication and user sessions issues.

Youth Rush / Summer Leadership Program

07/2019 - 10/2019

- Helped in organizing and leading a team of six by positioning them in locations that will play in their strengths.
- Improved self-confidence and social skills by distributing self-help books door to door.

SKILLS & TECHNOLOGIES

Technical Skills

- Full-Stack Web Development and Deployment
- UI Design (Figma)
- Unit and Integration Testing(Jest, React Testing Library)
- Git/GitHub Desktop, GitHub Pages, GitHub Actions
- RESTful API Development(Flask)
- OOP and Functional Programming
- Linux/Unix Environments (Ubuntu)
- Dockerfile deployment with AWS EC2 Hosting
- Code Readability and Design Principles

Languages: Python, C#, JavaScript ES6, TypeScript, CSS, HTML5

Front-End: React, NextJS, JQuery,, Jest, Babel, Vite, Bootstrap, Tailwind, Webpack, React-Router

Back-End: Python Flask

DevOps: AWS, GitHub Actions, Docker

Hosting Services: AWS EC2, GitHub Pages

Testing: Jest, React Testing Library

Databases: MySQL,