Kevin Chou

650-455-9288 | San Mateo, California | this.kevinchou@gmail.com | [Portfolio](#)

Work Experience

9/2021 - Present | Apple, Special Projects Team | Software Engineer
Typescript, Angular, Rxjs, Ngrx, Cucumber, Puppeteer, Three.js, HTML, CSS, REST

2/2020 - 9/2021 | PG&E, Sherlock Team | Senior Software Engineer
JavaScript, React, Redux, Node.js, GraphQL, SQL, Postgres, Jenkins, Docker, AWS, Kubernetes

Making California a safer place by building an AI-powered web application for the Drone Inspection & Review Team (DIRT): **[WSJ: Sherlock's impact on society](#)**.

Responsibilities include being the lead developer for business leaders during the 2021 inspection cycle, ensuring ~60,000 high fire tier structures were inspected through the Sherlock web application by the mid year deadline, feature analysis/design/implementation, devOps, QA, on-call support, and data analysis.

Inspection and Review Dashboards: Make frontend decisions on how to display components and how to manage state w/ React, Redux, and other 3rd party JS libraries. Make API decisions on how to communicate to the backend, database, and other servers. Make backend decisions on how to query and persist data asynchronously.

DevOps and Testing: 100% unit testing line coverage for both frontend and backend with Jest. Develop end-to-end automated test suite using WebDriverIO and ChromeDriver. Create/Update Jenkins Jobs to modify data in production used by developers. Dockerize applications and migrate kubernetes clusters to AWS EKS.

11/2016 - 5/2019 | Willis Towers Watson | Actuarial Developer
Clients: Boeing, Teledyne, Recology, Bank of the West, Northrup Grummon, SVMH, Sierra Club

Developed software in Fortran, Visual Basic and SQL to solve actuarial problems: data processing, data analysis, data validation, data reconciliation, gain loss analysis, modeling retirement benefits/liabilities, experience studies, and generating financial reports in accordance to ERISA, FASB, GASB, & IAS19.

Fun Full Stack Projects

[Multi-Go](#) | Created a game server to play variations of the classical game go.
[3d-Minesweeper](#) | Imagined the game minesweeper in three dimensions.
[Chou-Tree](#) | Visualized familial relationships with old family photos.
[Want.com](#) | Cloned the style and functionality of the e-commerce website Wish.com.

Education

App Academy | Full Stack Web Development
Society of Actuaries | Exam P, FM, MFE, MLC, Statistics, Finance, Accounting
University of Southern California | Bachelor of Arts in Economics, Music Performance