

Kevin Chou | Web Development & Actuarial Consulting

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Professional Experience

Software Developer | Contractor at Pacific Gas & Electric **2020 - Present**
Sherlock Team, Internal Web Applications for the Drone Inspection Review Team (DIRT)

- Work with a team of designers, product managers, and DIRT to build the utility's first AI powered drone inspection application in an Agile workflow.
- Create dashboards and implement features for the various DIRT roles with the end goal of reducing inspection times, decreasing risk of structure/asset failures, and increasing public safety.
- Coordinate with Waldo, the machine learning team, and the DIRT to bridge the neural networks predictions to DIRT application dashboards.
- Rotate on a weekly basis on-call support responsibilities to receive and to respond to urgent messages about production environment bugs & crashes. Debug and issue hot-fixes as necessary.
- Ensure 100% line coverage for unit testing, and develop end-to-end automated tests to replace existing manual QA practice.
- Technologies include but not limited to: Gatsby, React, Redux, Node.js, Jest, Apollo, GraphQL, Postgraphile, AWS S3/Lambda/Aurora, PostgreSQL, Docker, Jenkins, and WebDriverIO.
- [WSJ article on how my team will be making a positive impact on society](#)

Actuarial Developer | Willis Towers Watson **2016 - 2019**
Actuarial Department, Retirement

- Develop software to solve actuarial problems. Examples include but not limited to: data processing, data analysis, data validation, data reconciliation, gain loss analysis, modeling pension and retiree-medical benefits/liabilities, forecasting studies, experience studies, and calculating/generating financial reports in accordance of ERISA, FASB, GASB, CAS, & IAS19.

Software Consulting | Freelance **2015 - 2019**

- Provided consulting services to build scripts to automate data processing and data scraping from api and websites (Google, Yahoo, Farfetch, Net a Porter, SSENSE, DPD Postal Service, etc).

Fun Full Stack Projects

[Chou-Tree](#) | Inspired by my DNA results, I visualized familial relationships in archival photos.

[3d-Minesweeper](#) | I imagine what minesweeper would be like in three dimensions.

[Multi-Go](#) | The board game go is one of my passions. I created a game server to play variations of go.

[Want.com](#) | Cloned the style and functionality of the e-commerce website Wish.com.

Values | Critical Thinking, Communication, Work Ethic, Accountability

Technical Skills | React.js, Redux, JavaScript, Jest, Jenkins, SQL, Apollo, GraphQL, AWS

Education | University of Southern California | Bachelor of Arts in Economics