Chi Jen Lu

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Software engineer passionate about creating social-good products
Product-minded, with a strong affinity to design/user experience and quick edge-case mapping

TECHNICAL SKILLS

- **Proficient:** JavaScript, TypeScript, ReactJS, React Native, Redux, Node.js, Express, Jest, React Testing Library, Ruby, Rails, SQL, Postgres, MongoDB, GraphQL, HTML5, CSS3, Sass, Heroku, Matomo, Plausible, Cloudflare, Git
- **Exposure:** D3.js, AWS, Docker, Figma, Sketch

WORK EXPERIENCE

Nitidbit | Software Engineer | San Francisco, CA   Aug. 2018 - Present
- Delivered 7 health support apps (6 ReactJS web apps and 1 React Native app) for non-profits and university research teams as a front-end lead
- Led 5+ internal training sessions on JavaScript, TypeScript, and ReactJS for 10+ employees
- Conducted 2+ weekly peer code reviews, with focus on code readability, modular logic, and edge-case analysis
- Ensured app stability by writing 700+ Jest tests (test coverage improved to 80%) for one app and migrating two other apps' CI platform to GitLab from CircleCI ($1000+ per month savings)
- Gained insight into marketing campaign effectiveness and user behaviors by configuring analytics
- Implemented web security measures (passing security audits)
- Achieved and maintained high SEO scores on Google Pagespeed: 80+ mobile performance, 100 desktop performance, 85+ accessibility, and 95+ SEO (Google search ranking improved by 3)
- Collaborated closely with UX team on defining constraints, providing estimates, and prototyping (one app won a Webby Award; another app achieved 508 Accessibility Compliance)

Trilogy Education Services | Software Engineering, Teaching Assistant | San Francisco, CA   Sep. 2017 - Dec. 2017
- Conducted code reviews and tutoring sessions on JavaScript and ReactJS for 21 students

HTC America Innovation | Product Design Engineer | San Francisco, CA   Nov. 2013 - May. 2016
HTC Corp | Manufacturing Design Engineer | Taipei, Taiwan   Apr. 2012 - Nov. 2013
Foxconn International Holdings | Chief Technical Sales Engineer | Shenzhen, China   Feb. 2010 - Apr. 2012

VOLUNTEER EXPERIENCE

Boys to Men NorCal | Lead Mentor | San Francisco, CA   Nov. 2020 - May 2022
- Managed 3 other mentors and hosted mentoring circles to support 30+ middle school boys.

WeVote | Open-Source Project Contributor, Code For San Francisco | San Francisco, CA   Dec. 2017 - Jun. 2018
- Enhanced user experience by persisting toggle states, increasing input validation, and refining modal sizing, using JavaScript and ReactJS.

Techonica | Software Engineer Tutor + Curriculum Designer | San Francisco, CA   Jan. 2018 - Jul. 2018
- Hosted weekly review sessions on JavaScript and web development fundamentals for 10 students.
- Designed 5% of curriculum for web development training program by creating 6 lesson plans, 2 slide decks, and 3 videos on JavaScript fundamentals in Codepen and Loom.

AWARDS

First Place | Major League Hacking Local Hack Day | Laney College   Dec. 2017

EDUCATION

B.S. Mechanical Engineering | University of California at Berkeley   May. 2008