

Nicholas Cheung

Software Engineer

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San Francisco, CA

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

Skills: React, Redux, JavaScript (ES6), HTML5, CSS3, Jira, Figma, Sketch, Agile, Express.js, MongoDB, Node.js, AWS, Ruby on Rails, PostgreSQL, SQL, RSpec, Capybara, Object-Oriented Programming, Git, Test-Driven Development

Experience

Coding Expertise for AI Training, Outlier (Freelance) | December 2024 - Present

- Collaborate remotely to improve generative AI large language models by providing expert feedback and guidance on coding-related tasks
- Evaluate, debug, and rank code generated by AI models to ensure accuracy, performance, and adherence to best practices
- Craft and refine coding problems and solutions to train AI models, enhancing their ability to tackle complex programming challenges and deliver high-quality code outputs

Backend Software Engineer, Carboncopies Foundation (Volunteer) | November 2022 - Present

- Teamed up with a Product Manager and Frontend Engineer to devise a programmatic approach for optimizing team collaboration at Carboncopies, employing graph-based visualization to depict successive milestones
- Develop and execute a data integration solution by leveraging custom Cypher queries that efficiently export data as a CSV file, or load sheet data between Neo4j AuraDB and Carboncopies's Google Share Drive, enabling seamless creation and updating of nodes and relationships, all within a single streamlined process
- Created extensive documentation outlining backend server configuration and effective utilization of API routes including detailed instructions and illustrative code snippets to enhance system utilization

Frontend Software Engineer, TBD Health | October 2020 - February 2021

- Collaborated with founders, CTO, and clinicians, to implement an iterative approach to enhancing UI by rebuilding components with React Hooks, HTML/CSS, conducting performance testing, developing MVPs and product features, and debugging in a test production environment to meet the deadline for customer beta testing
- Iterated on a HIPAA-compliant messaging feature for customers and clinicians to send messages, receive appointment requests, and reply to messages while excluding server-generated messages.
- Modularized React front-end components for Clinician and Patient web applications, slashing Messaging feature development time by 50%, while ensuring cross-platform brand consistency and enhancing UX
- Participated in daily standups to provide updates on features, end-to-end testing of the patient-clinician workflow, bug fixes, and roadblocks, and engage with the team to ensure effective communication and project alignment

Personal Projects

SuperTramp

[live site](#) | [github](#)

React, Redux, Ruby on Rails 7, HTML, CSS, PostgreSQL, AJAX, AWS, Heroku

Tribute to the popular camping website HipCamp, where users explore available listings across the world

- Implement Ruby on Rails backend to connect with AWS S3 for listing and avatar image cloud storage, to increase application scalability
- Identify real-world locations with Google Places Autocomplete API which allows users to search for campsites based on reliable geospatial data
- Constructed validation logic that checks new bookings against existing bookings to block double bookings and ensure the best user experience

Education

University of California, Davis | Bachelor of Science in Microbiology