

# Avent Chiu

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## Education

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University of California, Irvine – BS in Computer Science, Concentration in Information

June 2024

## Experience

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Software Engineer Intern, Cox Automotive – Irvine, CA

June 2023 – Sept 2023

- Reduced version conflicts of the navigation package by building web components for login which auto-updates for 10+ teams with React.js, Stencil.js, Tailwind CSS, GraphQL, and Optimizely feature flags
- Brought new car ownership tools for Kelley Blue Book's limited user base with React.js, GraphQL, and Redux
- Enhanced microservices for car price valuation and user lifecycle which serves 16,000,000+ monthly visitors
- Increased New Relic SEO score by 8% by addressing bugs identified in the New Relic dashboard

Developer Relations Engineer Intern, Zepp Health – Cupertino, CA

June 2022 – Mar 2023

- Developed 6 smartwatch apps with JavaScript and sensor APIs for the Amazfit app stores, inspiring developers to publish the first third-party apps for Amazfit and ZeppOS smartwatch users
- Grew the ZeppOS Slack Community from 100 to 700+ developers by hosting workshops and events weekly
- Implemented style components for the ZeppOS documentation page based on style guide using WebFlow
- Won an internal company award, the "2022 Coolest Newcomer Award"

## Projects

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Fabflix

github.com/sirAvent/movies-fabflix

- Built an e-commerce movie web app that allows customers to locate over 250,000 movies/TV series with fuzzy searching and sorted browsing using HTML, Bootstrap, CSS, JQuery, Java, and SQL
- Optimized query performance by 20% via load balancing, pooling, and database replication
- Integrated an Android app to the database using Kotlin for the convenience of phone accessibility

Get Inspired

github.com/ctc-uci/get-inspired-backend

- Implemented a dashboard application for Orange County nonprofit, Get Inspired, providing better tools for facilitating Pismo clam data using React.js, Ant Design, and SQL
- Co-lead a 12-developer team running weekly standups, sprints, and handling product handoff

Search Engine

github.com/RithwikKerur/CS121Project3

- Built a Python web crawler for 50,000 UCI web pages, handling broken HTML, duplicates, and hyperlink traps
- Optimized searches with inverted indexes, Porter stemming, and tf-idf for relevant results under 200ms

CarReels

github.com/KangRuiYu/car-reels

- Created an e-commerce app using Flutter and Firebase that stores user-generated car listings which features video frame parsing for users to take 360 videos of their cars
- Won 2 awards at VenusHacks, "1st Place in New Ways to Car Shop" and "Best UI/UX Design"

ICS Student Council Site

github.com/icssc/icssc-website

- Simplified front-end development by migrating legacy HTML to Next.js and SCSS for its modular development approach, static site generation, and built-in routing system

## Skills

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**Technologies:** React.js, Next.js, Node.js, Stencil.js, MySQL, GraphQL, Apollo, Cypress, Jest, JMeter

**Languages:** Python, JavaScript/TypeScript, Java, C, C++