

# Andy Chen

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## Technical Skills

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**Front End** | HTML, CSS, React, Redux, Javascript, MaterialUI, Tailwind CSS, Figma

**Back End** | Node.js, Express, MongoDB, PostgreSQL, MySQL, RESTful API Development

**Testing / Development** | Jest, Mocha, Chai, AWS: EC2, Netlify, Cloudflare, Docker

**Developer Tools** | Git, npm, Webpack, Babel, Agile Methodology

## Software Engineering Applications

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### **Liquid Hackathon 2.0** - *Awarded 3rd place* - **Fullstack Engineer/Product Manager**

- Designed website layout using Figma, assigned roles using Trello, adopted an Agile Methodology to streamline the work process efficiently.
- Architected a website that scraped Amazon with Puppeteer.js and created a survey component that would help PC gamers find their 'perfect' gaming mouse based on preferences of mouse grip, weight, size, and brand.
- Utilized React and Redux to fetch data from a MongoDB API. Used Javascript to filter state and create a dynamic mouse 'results' dashboard tailored to the survey taker's preferences

### **Jobify** - **Fullstack Engineer**

- Implemented a job seeker dashboard with full CRUD functionality and built a personal calendar/to-do list for each user in JavaScript.
- Utilized Firebase Google Authentication and PostgreSQL to separate different user types
- Leveraged React Router library to build a single-page application with client-side routing, decreasing page load speeds by 50%.

### **Project Catwalk** - **Frontend Engineer/Web Developer**

- Built a website that allows users to pick a product, see related products, reviews, and browse through questions and answers from existing/previous customers using React.js, Node, and Express
- Increased lighthouse performance score from 60 to 90. Decreased load times from 50ms to 5ms with compression middleware, image placeholders, and image compressions
- Developed the React frontend service that displays a photo carousel and pop-up modal which serves data from an external RESTful API backend. Optimized first contentful paint down from 4s to 0.5s.

## Additional Work Experience

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### **REPS & Co.** - *Market Analyst*

2018 - 2020

- Managed a \$2.1 million portfolio of music concert tickets and generated \$900k of total profit for the company in 2 years
- Utilized MySQL and ModeAnalytics to sort, filter, and analyze 2 years of music concert ticket data, which helped predict whether ticket prices would rise or fall in the future and improved business performance dramatically
- Trained and managed a team of 3 in Mexico/Philippines to help run one of the company's most successful and profitable acquisition team

## Education

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### **Hack Reactor**

Immersive Software Engineering Bootcamp

Los Angeles, CA

November 2021

### **University of California, San Diego**

Bachelor of Art in Economics

La Jolla, CA

December 2018

Certificates: General Assembly – Data Analytics course with Excel/SQL/Tableau