

ANDREW VUONG

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Portfolio: [Andrew Vuong](#)

TECHNICAL PROJECTS

COMPIFY - Spotify Playlist Creator with a Tinder Interface

Express, React.js, Node.js

- Integrated Spotify's OAuth flow with a Node.js/Express backend to allow users to create playlists in real time
- Utilized React-Router to turn application into single page app and improve navigation between components
- Implemented the Tinder-esque card interface and auto-complete search component using NPM modules

MUNCH'M - Business Reviews Site with focus on system design

PostgreSQL, Express, React.js, AWS

- Optimized read throughput of backend infrastructure to handle 1000 rps (300% increase) by horizontally scaling 3 server EC2 instances and load balancing with Nginx
- Integrated k6 load testing with New Relic analytics to find and resolve system bottlenecks, resulted in an average of < 500ms response times
- Decreased latency by 95% by implementing connection pools to cache client instances for reusability

BOOKABLE - Home Rental Application

MongoDB, Express, React.js, Node.js, Docker, AWS

- Developed a reusable React sliding-carousel component to allow for a user-friendly scroll experience on additional rentals available
- Implemented a scalable and service-oriented architecture through deploying module and proxy server to AWS (EC2) via Docker containers

AMERICAN SHIPPING LINE - ASL's Company Website

React.js, HTML5, CSS3

- Organized and redesigned the outdated UI of the 2006 website for ASL using React and HTML/CSS
- Implemented a neat multi-page design to create an enhanced UX with easier navigation and readability

WORK EXPERIENCE

LOGOS NEWS – Los Angeles, California

July 2019 - Sept 2019

Full Stack Web Developer Intern

- Worked with AngularJS and Firebase to create core user profile features and functionalities
- Implemented the user authentication page using Bootstrap 4, CSS and HTML
- Collaborated with the product design team to create a streamlined and user-friendly landing page
- Enhanced UX by integrating a skeleton screen within the main feed using the Ionic framework

STARBUTTER AI – Berkeley, California

Feb 2019 - June 2019

Growth Hacker Intern

- Optimized UX for high priority financial bots and content bots on Google Assistant
- Identified high-quality SEO content to compile databases for Alexa Flash Briefings on banking bots
- Collected and analyzed user feedback to recommend UX enhancements to Starbutter's marketing assets
- Drove performance on relevant metrics and recommended optimization strategies across channels

TECHNICAL SKILLS

Languages: Python, JavaScript ES6+, TypeScript, HTML/CSS, Java, R

Databases: MySQL, PostgreSQL, MongoDB, Mongoose.js, Cassandra, Firebase

Tools: React.js, Redux, jQuery, Express, Node.js, AWS (EC2, S3), Docker, Webpack, Chai, Mocha, Babel

EDUCATION

HACK REACTOR – San Francisco, California

Aug 2020 - Nov 2020

Advanced Software Engineering Immersive Program

UNIVERSITY OF CALIFORNIA, BERKELEY – Berkeley, California

Aug 2016 - May 2020

Bachelor of Arts, Cognitive Science; Minor in Computer Science

- Relevant Coursework: Algorithms, Artificial Intelligence, Computer Architecture, Data Structures, Computational Data Analysis, Principles and Techniques of Data Science