

# ANDREW VUONG

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Portfolio: [Andrew Vuong](#)

## EDUCATION

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### 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

## TECHNICAL SKILLS

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**Languages:** Python, JavaScript (ES6), HTML5, CSS3, Java

**Databases:** MySQL, PostgreSQL, MongoDB, Cassandra

**Tools:** React.js, Redux, jQuery, Express, Node.js, AWS, Docker, Webpack

## TECHNICAL PROJECTS

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### COMPIFY - Spotify Playlist Creator App

Express, React.js, Node.js

- Developed a full-stack application with a Tinder-style interface for compiling playlists within a 3 day time frame
- Used Spotify's Web API to receive and distribute song tracks and manage user playlists
- Integrated Spotify's authorization code flow to enable access to end user's Spotify data and features

### 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 sliding carousel for users to see information on additional rentals using React components to maintain a DRY and reusable codebase
- 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- Organized and redesigned the outdated UI of the 2006 website for ASL through HTML and React
- Implemented a neat multi-page design to create an enhanced UX with easier navigation and readability

## WORK EXPERIENCE

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### LOGOS NEWS – Los Angeles, California

July 2019 - Sept 2019

Full Stack Web Developer Intern

- Implemented the user authentication page for this web application using Bootstrap 4, CSS and HTML
- Collaborated with the product design team to create a streamlined and user-friendly landing page
- Integrated a skeleton screen within the main feed using the Ionic framework to enhance UI loading time
- Performed weekly code reviews to ensure responsive web design and optimal UX

### 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