

Vincent Yao

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SKILLS

- **Languages:** JavaScript, Java, Ruby, Python, C++, C, HTML, CSS
- **Front End:** React, Redux, JQuery, AJAX, Angular
- **Back End:** Node, Express, ReactiveX, Sidekiq, Redis, MySQL, PostgreSQL, MongoDB
- **Testing:** Selenium, Mocha, Chai
- **Technical:** SCRUM/Agile, Git/Github, Splunk, Wavefront, Kibana, Jenkins, Docker

EXPERIENCE

Groupon, San Francisco, CA

Software Engineer I, Full Stack

July 2019 – Present

- Owned and modernized Merchant Center application as lead developer, using React and JavaScript
 - Refactored entire state management system with Redux
 - Built foundation for integration testing coverage, which was nonexistent, utilizing Selenium and Mocha
- Wrote an automated Ruby script that queries a PostgreSQL database weekly to send business analytics data to merchants through push notifications
 - Aggregates customer total spend and visits data into notifications, which are jobs queued in Redis and then performed asynchronously by Sidekiq
- Contributed to the global internal Java ReactiveX API framework, allowing any dependent service to confirm third party distributed transactions
 - Integrated parallel requests across several backend services to support the confirmation of a transaction in one call
 - Built Mailman client to resend confirmation emails upon transaction confirmation
- Directed AWS cloud migration for two on-prem front-end services
 - Modernized services to latest internal standards, updating dependencies and fixing version incompatibilities
 - Generated deploy configurations for cloud environments, including modifying upstream endpoints and rerouting legacy hosts
 - Deployed and performed load tests on cloud environments before shifting traffic incrementally, checking Wavefront graphs and Splunk alerts for any issues
- Added core features across merchant, internal, and client-facing services

Front-End Web Developer Intern

June 2018 – September 2018

- Improved UI design on the Deals page team, focusing on user experience
- Deployed three features to production, visible from any page on groupon.com/deals
- Overhauled functionality and design of the mobile traits section improving user experience for 46 million users

EDUCATION

University of California, Santa Cruz

2017 – 2018

Bachelor of Science, Computer Science, GPA 3.7

Carnegie Mellon University

2013 – 2015

Transferred, Proposed Computer Science