

AGNES CHU

FULL STACK SOFTWARE ENGINEER

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github.com/chuagnes

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TECHNICAL SKILLS

STRONG: Javascript/ES6, React, Node/Express.js, PostgreSQL, MongoDB, CSS, HTML, Socket.io, Git, Balsamiq, Mocha/Chai

EXPERIENCED: Angular, Backbone, Redis, Elasticsearch, Jira, Bookshelf, Mongoose, Knex, Python

APPLICATIONS

TUTORA

Software Engineer

On-demand tutoring platform for students and teachers

- Architected a PostgreSQL schema and RESTful API endpoints that queried highly relational data
- Designed a reverse-indexed Redis cache that decreased latency of finding online users
- Used React/React Redux to handle high-frequency app reloads and asynchronous interactions
- Built a Node.js/Socket.io server and event emitter that listens for multiple use cases, including user-initiated search and data filtering, and connects online users in separate chatroom

VIATOR

Software Engineer

Interactive travel app for itinerary planning

- Integrated an interactive mapping interface, using Google Maps API, into React
- Implemented a Cron worker that incrementally retrieved API data to reduce server load
- Modularized inherited codebase into MVC framework for simpler code readability, reusability, and testing

LAUGH LOCALLY

Software Engineer

Platform connecting comedians to local audiences

- Designed and built a dashboard for comedians to manage their events
- Built registration and authentication in Express for comedians to create user profiles and dynamically generate a comedian profile page

READING FACES

Sole Engineer

Quizlet that trains users to read microexpressions

- Leveraged Microsoft Emotions API to score a machine's ability to read facial expressions
- Used React Router to smooth user workflow and redirect to display quiz answers at the right time
- Constructed Bootstrap grids to display data tables in a responsive web and mobile design

PROFESSIONAL EXPERIENCE

CLOVER HEALTH

Product Ops Manager

2016 - 2017

- Built and managed a team of 11 to collect over 6,000 medical records, driving requirements definition, campaign roadmap, task-tracking, and data integration into a centralized pSQL database
- Wrote product specs and conducted retro-reviews for optimal tools/processes

SUNVERGE ENERGY

Director, Finance & Ops

2016

- Managed and created 2016 Annual Operating Plan in collaboration with senior executives and helped develop product roadmap
- Assisted Product and Engineering in leading daily standups and writing software requirements

NIKE

Global Leadership Program

2013 - 2015

- Led cross-functional initiative to create new Customer Operations organization for Nike China
- Planned and managed demand for over \$200MM annual revenue in Young Athletes apparel
- Created next-source base strategy for Manufacturing

EDUCATION

MIT Sloan School of Management

2011 - 2013

- Teaching assistant for *Strategic Opportunities in Energy*; GMAT: 760
- Co-president of 2012-2013 Energy Club, Editor of MIT Entrepreneurship Review

University of Texas at Austin

2003 - 2006

- BBA, Finance and Accounting; GPA: 3.76
- General entertainment reporter at *The Daily Texan*