

Lydia Hu

Full Stack Software Engineer

PROJECTS

WaitOnMe, FrontEnd Developer

Full Stack | Restaurant reservation web service

- Deployed instance of dockerized service to AWS EC2 through containerization of microservices to run in isolation of my machine
- Utilized service-oriented architecture to build a multi-component proxy server to ensure secure REST api routes and authenticated browsing
- Optimized page load speed from 67 to 92 by minifying and compressing webpack

SaleBoat, BackEnd Developer

Full Stack | Ecommerce web service

- Horizontally scaled deployed service utilizing NGINX load balancer to increase throughput by 800%
- Benchmarked PostgreSQL and MongoDB (90M records) to optimize query speeds with btree index
- Stress tested to simulate web-scale traffic and analyzed metrics to identify performance bottlenecks

Quid-Dit, Full Stack Developer

Full Stack | Online game

- Designed an interactive game that allows player to play as Harry Potter to accumulate points as they navigate through obstacles to get to different houses in Hogwarts

PROFESSIONAL EXPERIENCE

Hack Reactor @ Galvanize

2019 – Present

Associate Instructor, Software Engineering

- Supported and mentored 50+ prospective engineers on JavaScript fundamentals
- Conducted 1:1 live debugging sessions to ensure students understand the problem solving process

RSM US LLP

2017 – 2018

Senior Tax Associate

- Reviewed consolidated c-corps, s-corps, partnerships, individual tax returns, and provisions to reduce company tax liabilities
- Oversaw & trained 10 staff associates to ensure accuracy in tax filings through delegation of tax projects
- Implemented more efficient tax processes for the tax department of a publicly traded c-corporation for various busy seasons throughout the year

 San Francisco, CA | Bay Area

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SKILLS

FrontEnd

- Javascript ES5
- ES6
- Styled Components
- Babel
- Webpack
- React.js
- HTML5
- CSS
- Materialize
- jQuery

BackEnd

- RESTful APIs
- Node.js
- Express
- AWS EC2
- Docker
- NGINX
- MySQL
- Sequelize
- PostgreSQL
- MongoDB
- Mongoose
- New Relic

Other

- Mocha
- Chai
- Jest
- Enzyme
- npm
- git
- tmux

EDUCATION

UC San Diego

2014

B.A. in Economics

Minors: Accounting & Business

Relevant Coursework

- Intro to Java Programming
- Linear Algebra
- Econometrics/Statistics

Hack Reactor

2019

Advanced Software Engineering
Immersive Program