Lydia Hu

Full Stack Software Engineer

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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 players 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

SKILLS

FrontEnd

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

BackEnd

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

Support

- 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