

## CATHERINE HAN

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*Fullstack engineer seeking opportunity in web development*

### **TECHNICAL SKILLS**

Frontend: React, Redux, HTML5, CSS3/Sass, Bootstrap, JavaScript ES5-7, jQuery

Backend: Python, Django, Node/Express.js, Postgres

Other: Git, Heroku, TravisCI, VBA for Excel, R

### **PROJECTS**

**Big 2** - Web clone of the popular card game Big 2

*Fullstack developer*

- Created live online client in React/Redux, letting players play against other people or the AI
- Built AI training program in Python using reinforcement learning techniques (300 games per second)
- Supported application with RESTful API written in Django

**Quikker** - Uber backend clone

*Backend developer*

- Developed passenger-to-driver matching microservice API in Node.js/Postgres
- Wrote algorithm to match passengers to drivers using expanding-radius search
- Optimized API request time and maximum load using New Relic and Siege

**Xelp** - Yelp clone for San Francisco

*Fullstack developer*

- Implemented fullstack search feature, allowing users to find restaurants by name, category, and price range
- Wrote algorithm to load restaurant data into Postgres database without duplication
- Enhanced app codebase by refactoring backend to maintain one-to-one variable relationships with data source

### **WORK EXPERIENCE**

**SS&C Technologies**

**San Francisco, CA**

*Analyst*

Mar 2017 - Nov 2017

- Provided financial reporting and month end close services for Hedge Fund/Private Equity clients
- Automated office workflow with Python and Excel VBA
- Reconciled client accounting books daily, monthly, and quarterly, working closely with internal teams and client contacts to resolve discrepancies

### **EDUCATION**

**New York University Stern School of Business**

**New York, NY**

*B.S. Business; Majors: Finance & Statistics*

Graduated May 2016

**Hack Reactor**

**San Francisco, CA**

*Advanced Software Engineering Immersive*

Graduated Feb 2018

### **INTERESTS**

Machine Learning, Chess, Dota 2