

Charles Lai

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github.com/sup

EDUCATION

Cornell University

B.S. Computer Science
Software Engineering Vector
Class of 2016 / GPA 3.62

EXPERIENCE

Yelp

Software Engineer / July 2016 - Present

- Lead cross-team project to migrate the core business page to React
- Developed API endpoints powering new consumer products such as bookmark collections, business attributes, and popular dishes
- Designed infrastructure for storing, filtering, and displaying millions of generated business recommendations using Cassandra
- Created tools to make A/B experiment analysis fast and simple
- Managed deploys, maintained services, and conducted interviews

Datadog

Software Engineer Intern + hackNY Fellow / Summer 2015

- Developed a new set of API endpoints to manage graph embeds
- Fixed various bugs, vulnerabilities, and inefficiencies in a Python app
- Updated open source Python/Ruby client libraries on Github

Verizon

IT Intern / Summer 2014

- Created a naive Bayes sentiment classifier on Salesforce Chatter data
- Analyzed the business metrics of an automated marketing tool

SELECTED PROJECTS

Inari - 2016

Finalist @ Boston FIG
iOS/C++ platforming game
with a unique rotation
mechanic and controls

Bitr - 2015

3rd @ Angelhacks Manhattan
Location based content
curation app on a shared map

Venmo Dash - 2015

Braintree Prize @ MLH Finale
Scheduled payments and
analytics on a web dashboard

ACADEMIA

Cornell Department of Computer Science

Teaching Assistant / Fall 2014 - Fall 2015

- CS 1300 + CS 2300: Design and Programming for the Web
- CS 3410: Computer System Organization and Programming
- Led recitations, held office hours, and graded projects/exams

ReImagination Lab

Research Assistant / Spring 2014 - Fall 2014

- Worked on a Node.js goal achievement mobile app that leverages social accountability and regular check-ins to boost success

Cornell Data Science Club

Software Developer / Fall 2015

- Created a Python/Flask API server powering a jQuery web app displaying NBA game predictions over the course of the season