Tyler Jiang

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EDUCATION

Brown University
B.Sc. in Computer Science
Expected Grad. May 2021
GPA: 4.0 / 4.0

Nashua High School North
Sept. 2013 - June 2017
Graduated salutatorian

SKILLS

Languages
Python, JavaScript/Node.js,
Java, C, HTML, CSS/SASS,
TypeScript, Pyret (functional)

Frameworks/Libraries
React, Express.js, Vue.js,
Angular, jQuery, Django

Databases
PostgreSQL, SQLite

Platforms
AWS, Heroku

Tools
Jira, Git, BitBucket, Confluence

COURSEWORK

Deep Learning (Fall 2019)
Computational Probability and
Statistics (Fall 2019)
Machine Learning
Intro to Software Engineering
Intro to Computer Systems
Intro to Discrete Structures and
Probability
Accelerated Intro to CS
(Data Structures and Algorithms)
Honors Statistical Inference I
Linear Algebra
Honors Multivariable Calculus

LANGUAGES

English (fluent)
Chinese (intermediate)

WORK EXPERIENCE

Fidelity Investments   Merrimack, NH | Summer 2018 + 2019
Software/Site Reliability Engineering Intern   May - August 2019
- Increased release velocity from ~4 deployments/week to multiple deployments/day with continuous delivery
- Enhanced reliability of deployments by implementing automated canary release/analysis with Spinnaker
- Built a REST API to simulate high traffic scenarios and CPU/memory usage with Node.js and Apache JMeter

Software Engineering Intern   May - August 2018
- Taught myself Angular and TypeScript, rebuilt the front-end of an internal web app with 20,000+ users
- Sped up a task that checks application statuses by ~120x by moving it to Java and implementing threads

Brown Data Science Initiative   Providence, RI | Jan 2019 – Present
Course Content Developer
- Worked with Professor Sam Watson to make an interactive data science textbook with Node.js/Express
- Built a linear regression interactive with JavaScript, animated videos on machine arithmetic and singular value decomposition with Python

Brown Computer Science Dept.   Providence, RI | Jan 2019 – May 2019
Undergraduate Teaching Assistant - Intro to Software Engineering
- Held office hours 4hrs/wk, 6+ hrs grading biweekly for 134 students
- Mentored two groups through the process of designing, building, and deploying a full-stack web application

RELEVANT EXPERIENCE

Hack@Brown   Aug 2019 – Present
Dev Team Co-Lead
- Co-lead of a development team of six for Brown's 2020 hackathon

Brown Political Review - Data Board   Jan 2018 – Dec 2018
Lead Platform Developer/Data Associate
- Led a team of three to build a web platform for student-written articles and data visualizations with Django, Python, and PostgreSQL

PROJECTS

Maps Java, SQLite, HTML, CSS, jQuery
Built a full stack, interactive Google Maps clone with a partner.
Implemented a k-d tree and the A* algorithm on a dynamically generated graph with Java, map rendering with HTML Canvas.

AWARDS

American Computer Science League All-Star Finalist, American Regional Mathematics League Team High Scorer, National Merit Finalist, National AP Scholar (5/5 on 10 exams)