

David Hong

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Seeking internship opportunities in full-stack dev, mobile dev, software dev, and data science this summer.

■ Education

Brown University

Computer Science | GPA: 3.8

Sept 2017 — May 2021

Relevant Courses: Software Engineering (CS32), Computer Systems (CS33), Logic for Systems (CS195Y), Deep Learning (CS147)

Foothill High School — Pleasanton, California

GPA: 4.3 (W) / 3.9 (UW)

Sept 2017 — May 2021

Computer Science Club (VP), Student Filmmaker Association (VP), MATHCOUNTS Coach Club (VP)

■ Software Development Experience

Map-Collective

Sole Full-Stack Developer

Oct 2018 — present

- Built site and interactivity for realistic 3D globe and visualizations of global supply chains
- Server designed and implemented in NGINX, React, React Router, Express, and MySQL

Chips Compo

Volunteer Full-Stack Developer

Mar 2018 — June 2018

- Devised mobile interface for website, which includes activity feed, web audio player, song posts, leaderboard, comments, and user profile pages
- Iteratively improved user interface for full-stack site: TypeScript, SQL, and React

Wynd Technologies, Inc

Backend Software Developer Intern

Mar 2015 — Aug 2017 (★ 2 ½ years)

- Updated code to extract, parse, geocode, and upsert 6,000+ dynamic air pollutant data points from 25+ countries in Node.js, Express, and MongoDB
- Wrote company documentation & style guideline
- Trained and managed four other interns

■ Leadership & Collaboration Experience

MATHCOUNTS Coach Club

Coach, Vice President, & Webmaster

June 2013 — May 2017

- Over 200 hours of volunteer work over 4 academic years preparing and lecturing on accelerated math curriculum
- Experience in leadership, teaching & presenting material, collaboration, & team management
- Designed, created, and maintained organization website

■ Skills

Software—Proficient

JavaScript,
Node.js, Express,
React, Webpack,
Java, Maven, Spark,
Git, HTML, CSS, Sass,
Photoshop, XD/Sketch

Software—Comfortable

C, Arduino,
Python, Tensorflow, CUDA,
Three.js,
TypeScript, React Native,
SQL, MongoDB,
MATLAB, TeX,
Solidworks, Illustrator

Hardware

Arduino, Teensy, Rasp. Pi,
Circuit design, soldering,
woodworking, metalworking,
CAD, laser cutting, 3D
printing

Other

Experienced in Agile/Scrum,
9-time hackathon participant,
fast learner/adaptable,
very attentive to detail

Languages

English, Mandarin