

# David Hong

San Francisco, CA

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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)

August 2013 — June 2017

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