

Nicholas Chiang

Software Engineer · Full-Stack Web Development · Photography

Palo Alto, California · No visa sponsorship required to work in the US

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Skills

Programming	JavaScript, Python, Java, C++, TypeScript, SCSS, Make, Bash, \LaTeX
Applications	Photoshop, Premier Pro, Inkscape, Ableton, FL Studio
Technology	React, Remix, Next.js, Cypress, PostgreSQL
Tooling	Vim, Git, Linux, AWS, GCP, CI/CD

Experience

Software Engineer

[Numbers Station](#) · numbersstation.ai

Menlo Park, CA

2022-06–Present

- Designing and building front-end user interfaces for a state-of-the-art ML platform.

Founding Engineer

[Roote Foundation](#) · roote.co

San Francisco, CA

2022-03–2022-08

- Developed a web app for interacting with articles and the tweets about them.
- Harnessed Hive and Rekt rankings to categorize tweet and article feeds.
- Built an engine to sync Twitter API data to a normalized PostgreSQL schema.

Software Engineer

[Tutorbook](#) · tutorbook.org

Palo Alto, CA

2019-02–2022-07

- Created a web app used by schools and nonprofits to connect students with volunteer tutors and mentors.
- Worked with two schools and three nonprofits that serve over 5000 students and 1000 volunteers.
- Drafted a privacy policy and a terms of use compliant with California's CSDPA v2.
- Wrote and configured continuous integration for Cypress tests (74% code coverage).
- Contributed to open-source libraries such as React, Next.js, RMWC, and the Firebase SDK.

Software Engineer

[Hammock](#) · readhammock.com

San Francisco, CA

2021-04–2021-12

- Developed a web app where you can enjoy reading and learning from newsletters.
- Increased page speed by migrating client-side business logic to serverless API functions.
- Protected against XSS by sanitizing email HTML server-side.
- Worked with Google's OAuth2, People, and Gmail APIs.

Research Intern

[Stanford University](#) · sing.stanford.edu

Palo Alto, CA

2018-09–2019-05

- Designed a methodology for building hardware component knowledge bases using machine-learning.
- Extracted both textual and non-textual information to create relational databases for hardware components.
- Produced application studies that highlight how these databases make hardware component selection easier.

Publications

2020	Creating Hardware Component Knowledge Bases with Training Data Generation and Multi-task Learning	ACM TECS
	Luke Hsiao, Sen Wu, Nicholas Chiang , Christopher Ré, and Philip Levis	
	📄 sing.stanford.edu/site/publications/tecs20hack.pdf · 🌐 github.com/lukehhsiao/tecs-hardware-kbc	
2019	Automating the Generation of Hardware Component Knowledge Bases	LCTES
	Luke Hsiao, Sen Wu, Nicholas Chiang , Christopher Ré, and Philip Levis	
	📄 sing.stanford.edu/site/publications/hack-lctes19.pdf · 🌐 github.com/lukehhsiao/lctes-p27	