

Nicholas Chiang

HIGH SCHOOL STUDENT · WEB DEVELOPMENT · COMPUTER SCIENCE

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

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Skills

Programming	JavaScript, Python, Java, Scheme, TypeScript, HTML, CSS, Sass/SCSS, Make, Bash, \LaTeX
Applications	Photoshop, Lightroom, Premier Pro, After Effects, Inkscape, FL Studio
Frameworks	React, Next.js, Cypress, Firebase
Systems	Vim, Git, Linux, AWS, GCP, CI/CD

Experience

Tutorbook

Palo Alto, CA

CREATOR

2019-02–Present

- 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.

Hammock

San Francisco, CA

DEVELOPER

2021-04–Present

- 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.

Stanford University

Palo Alto, CA

RESEARCH INTERN

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.

Niveaux de Gris

Palo Alto, CA

DEVELOPER

2019-08–2020-01

- Developed an ecommerce website using Stripe, HTML, and vanilla JavaScript.
- Designed the antigone t-shirt collection using Adobe Illustrator.

Publications

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

Interests

Silicon Valley Karate

BROWN BELT

- Assisted in instructing lower belt levels.

Palo Alto, CA

2016-01–Present

Boy Scouts of America

EAGLE SCOUT

- Practiced archery, shotgun shooting, climbing, canoeing, etc.
- Received CPR certification and other first-aid training.
- Earned 27 merit badges and an Eagle Palm.

Palo Alto, CA

2016-01–2020-01