

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

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

Experience

Software Engineer

Palo Alto, CA

Tutorbook · tutorbook.org

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.

Software Engineer

San Francisco, CA

Hammock · readhammock.com

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

Palo Alto, CA

Stanford University · sing.stanford.edu

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.

Software Engineering Intern

Palo Alto, CA

Niveaux de Gris · niveauxdegr.is

2019-08–2020-01

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

Publications

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| 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 | |