

# Nicholas Chiang

Software Engineer · Web Development

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

[✉ cv@nicholaschiang.com](mailto:cv@nicholaschiang.com) | [🏡 nicholaschiang.com](http://nicholaschiang.com) | [@nicholaschiang](https://nicholaschiang.com) | [🔗 nicholaschiang](https://nicholaschiang.com)

## Skills

---

|                     |  |
|---------------------|--|
| <b>Programming</b>  | JavaScript, Python, Java, C++, TypeScript, SCSS, Make, Bash, L <sup>A</sup> T <sub>E</sub> X |
| <b>Applications</b> | Photoshop, Premier Pro, Inkscape, Ableton, FL Studio   |
| <b>Technology</b>   | React, Remix, Next.js, Cypress, PostgreSQL   |
| <b>Tooling</b>      | Vim, Git, Linux, AWS, GCP, CI/CD   |

## Experience

---

|  |                   |
|--|-------------------|
| <b>Software Engineer</b>   | Menlo Park, CA    |
| Numbers Station · <a href="http://numbersstation.ai">numbersstation.ai</a>                                   | 2022-06-Present   |
| • Designing and building front-end user interfaces for a state-of-the-art ML platform.                       |                   |
| <b>Founding Engineer</b>   | San Francisco, CA |
| Roote Foundation · <a href="http://roote.co">roote.co</a>  | 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.                                |                   |
| <b>Software Engineer</b>   | Palo Alto, CA     |
| Tutorbook · <a href="http://tutorbook.org">tutorbook.org</a>   | 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.                   |                   |
| <b>Software Engineer</b>   | San Francisco, CA |
| Hammock · <a href="http://readhammock.com">readhammock.com</a>   | 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.   |                   |
| <b>Research Intern</b>   | Palo Alto, CA     |
| Stanford University · <a href="http://sing.stanford.edu">sing.stanford.edu</a>                               | 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 | <b>Creating Hardware Component Knowledge Bases with Training Data Generation and Multi-task Learning</b>  | ACM TECS |
|      | Luke Hsiao, Sen Wu, <b>Nicholas Chiang</b> , Christopher Ré, and Philip Levis   |          |
|      | <a href="http://sing.stanford.edu/site/publications/tecs20hack.pdf">✉ sing.stanford.edu/site/publications/tecs20hack.pdf</a> · <a href="https://github.com/lukehhsiao/tecs-hardware-kbc">/github.com/lukehhsiao/tecs-hardware-kbc</a> |          |
| 2019 | <b>Automating the Generation of Hardware Component Knowledge Bases</b>  | LCTES    |
|      | Luke Hsiao, Sen Wu, <b>Nicholas Chiang</b> , Christopher Ré, and Philip Levis   |          |
|      | <a href="http://sing.stanford.edu/site/publications/hack-lctes19.pdf">✉ sing.stanford.edu/site/publications/hack-lctes19.pdf</a> · <a href="https://github.com/lukehhsiao/lctes-p27">github.com/lukehhsiao/lctes-p27</a>              |          |