

# Nicholas Chiang

Software Engineer · Web Development

Provo, Utah · No visa sponsorship required to work in the US

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## Skills

Programming TypeScript, Python, Java, C, CSS  
Technology React, Svelte, Tailwind, Remix, Next.js, SQL

## Experience

- Software Engineer

Alation · [alation.com](https://alation.com)

Provo, UT  
2025-05–Present

  - Building the user interface for Alation's AI platform.
- Software Engineer

Numbers Station · [numbersstation.ai](https://numbersstation.ai)

Menlo Park, CA  
2022-06–2025-05

  - Helped build the company from day one through acquisition by Alation.
  - Led frontend: design, testing, CI/CD, hiring, tooling, framework decisions.
  - Built the user interface for a state-of-the-art machine learning platform.
  - Mentored two other engineers to accelerate career-growth and skill development.
- Founding Engineer

Roote Foundation · [roote.co](https://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 data between Twitter and a Postgres database.
- Software Engineer

Tutorbook · [tutorbook.org](https://tutorbook.org)

Palo Alto, CA  
2019-02–2022-07

  - Created a web app used by schools and nonprofits to connect students with volunteer tutors.
  - 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.
  - Configured continuous integration for and wrote 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](https://readhammock.com)

San Francisco, CA  
2021-04–2021-12

  - Developed a web app where you can enjoy reading and learning from newsletters.
  - Decreased LCP by migrating client-side business logic to serverless API functions.
  - Worked with Google's OAuth2, People, and Gmail APIs.
- Research Intern

Stanford University · [sing.stanford.edu](https://sing.stanford.edu)

Palo Alto, CA  
2018-09–2019-05

  - Used machine learning to build hardware component knowledge bases directly from PDF datasheets.
  - 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

📄 [dl.acm.org/doi/10.1145/3391906?cid=99659274049](https://dl.acm.org/doi/10.1145/3391906?cid=99659274049) · 🌐 [github.com/lukehhsiao/tecs-hardware-kbc](https://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

📄 [dl.acm.org/doi/10.1145/3316482.3326344?cid=99659274049](https://dl.acm.org/doi/10.1145/3316482.3326344?cid=99659274049) · 🌐 [github.com/lukehhsiao/lctes-p27](https://github.com/lukehhsiao/lctes-p27)