

Nicholas Chiang

HIGH SCHOOL STUDENT · COMPUTER SCIENCE

Palo Alto, California, USA · Looking for summer internship

☎ 650-861-2723 | ✉ nicholas.h.chiang@gmail.com | 🏠 www.nicholaschiang.com | 💻 <https://github.com/nicholaschiang> | 🎓 Nicholas Chiang

Skills

Programming Python, Java, JavaScript, HTML, CSS, Make, Bash, Scheme, Latex
Systems/Tools Vim, Git, Linux, Jekyll
Languages English, Japanese

Experience

Stanford University

Palo Alto, CA

AI RESEARCHER

Sep. 2018 - May. 2019

- Helped design a general methodology for building hardware component knowledge bases using machine-learning techniques.
- Extracted both textual and non-textual information to create industry-grade relational databases for hardware components.
- Produced a set of application studies that highlight how these databases make hardware component selection easier.

📄 <https://nicholaschiang.com/publications> · </> <https://github.com/lukehsiao/lctes-p27>

Gunn Academic Center

Palo Alto, CA

SOFTWARE ARCHITECT, DESIGNER, PROGRAMMER

Feb. 2019 - May. 2019

- Designed, developed, and deployed a web and mobile app to connect students with tutors. Currently in use by Gunn High School's academic center.
- Replaced the previously paper-based system with a scalable, user powered application, reducing the time required to book a tutor from days to minutes.
- Provisioned a Firestore database to quickly store and access tutor and student information.

📄 <https://tutorbook-779d8.firebaseio.com> · </> <https://github.com/nicholaschiang/tutorbook>

Publications

2019 **Automating the Generation of Hardware Component Knowledge Bases**

LCTES

L. Hsiao, S. Wu, **N. Chiang**, C. Re, and P. Levis

📄 <https://sing.stanford.edu/site/publications/hack-lctes19.pdf> · </> <https://github.com/lukehsiao/lctes-p27>

Interests

Silicon Valley Karate

Palo Alto, CA

BROWN BELT INSTRUCTOR

Jan. 2016 - May. 2019

- Contributed to the instruction of lower belt levels during group seminars and/or training.

BSA Troop 66, PACSKY Counsel

Palo Alto, CA

EAGLE SCOUT CANDIDATE

Jan. 2016 - Jan. 2020

- Gained expertise in life-saving, first-aid, mountaineering, canoeing, camping, hiking, cycling, swimming and teamwork.
- Participated in BSA merit badge camps and high adventure treks.