Nicholas **Chiang**

HIGH SCHOOL STUDENT · COMPUTER SCIENCE

Palo Alto, California, USA · Looking for summer internship

 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.firebaseapp.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 intruction 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.