Nicholas **Chiang**

HIGH SCHOOL STUDENT · COMPUTER SCIENCE

Palo Alto, California, USA · Looking for summer internship

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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 state-of-the-art machine-learning techniques.
- Applied this methodology (extracting both textual and non-textual information) to create relational databases for multiple hardware components,
- Produced a set of application studies that highlight how these databases make hardware component selection easier.

Gunn Academic Center   *Palo Alto, CA*
SOFTWARE ARCHITECT   *Feb. 2019 - May. 2019*

- Designed the a streamlined solution to connect students with tutors. Currently in use by Gunn High School's academic center.
- Built and deployed an Android and Web App designed to optimize the process used to match a student with an appropriate tutor.
- Provisioned a specifically designed database structure to quickly store and access tutor and student information.

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*

Activities

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 several BSA camps and high adventure treks.