

Nicholas Chiang

HIGH SCHOOL STUDENT · COMPUTER SCIENCE

Palo Alto, California, USA · Looking for summer internship

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Summary

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Skills

Systems/Tools Vim, Git, Linux, Jekyll

Programming Python, Java, JavaScript, HTML, CSS, Make, Bash, Scheme, Latex

Experience

Stanford University

Palo Alto, CA

AI RESEARCHER

Sep. 2018 - May. 2019

- Designed a general methodology for building hardware component knowledge bases using state-of-the-art machine-learning techniques.
- Evaluated this methodology by producing relational databases for multiple hardware components, extracting both textual and non-textual information.
- 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 time-efficient and streamlined tutor-student connection system currently in use by Gunn High School's academic center.
- Built and deployed an Android and Web App designed to optimize the process required to get a student with the appropriate tutor.
- Provisioned a specifically designed database structure for quickly storing and accessing 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/lukehhsiao/lctes-p27>

Extracurricular Activity

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

LIFE SCOUT

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.