

# Nicholas Chiang

HIGH SCHOOL STUDENT · COMPUTER SCIENCE · PHOTOGRAPHY · FILM

Palo Alto, California, USA · No visa sponsorship required to work in the US

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## Skills

<b>Applications</b>	Photoshop, Lightroom, Premier Pro, After Effects, Inkscape, FL Studio
<b>Programming</b>	TypeScript, JavaScript, HTML, CSS, Sass, Python, Java, Make, LaTeX
<b>Frameworks</b>	Next.js, React, Cypress, Firebase
<b>Systems</b>	Vim, Git, Linux, AWS, GCP, CI/CD

## 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/lukehhsiao/lctes-p27>

### Gunn Academic Center

Palo Alto, CA

SOFTWARE ARCHITECT, DESIGNER, PROGRAMMER

Feb. 2019 - Now

- 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.app> · </> <https://github.com/nicholaschiang/tutorbook>

### Niveaux de Gris Clothing

Palo Alto, CA

WEBSITE AND CLOTHING DESIGNER, HEAD OF MEDIA, PROGRAMMER

Aug. 2019 - Now

- Worked with manufacturer APIs and payment integrations to design, develop, and maintain an online store for a premium clothing line.
- Created clothing concepts, graphics, and mockups for the Niveaux de Couleur collection.
- Established a strong media presence for Niveaux de Gris by creating, editing, and posting content on social platforms including Instagram, Facebook, and YouTube.

📄 <https://niveauxdegris.is> · </> <https://github.com/nicholaschiang/niveauxdegris>

## 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>

## Interests

### Boy Scouts of America

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.

## **Silicon Valley Karate**

BROWN BELT INSTRUCTOR

*Palo Alto, CA*

*Jan. 2016 - Now*

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

## **Qolor Media**

PHOTOGRAPHER, FILMMAKER, MUSICIAN

*San Francisco, CA*

*Jun. 2019 - Now*

- Shot and edited professional portraits, video advertising, and clothing lookbooks for a variety of different clients.
- Established a notable YouTube and Instagram media presence.
- Produced a collection of privately-held drumkits and the beginnings of a soon-to-be-released album.
- Wrote and performed all of the songs included in that soon-to-be-released album.

## **Sono Strings**

CELLIST

*Mountain View, CA*

*Jan. 2006 - Now*

- Performed and recorded the Saint Saens Cello Concerto, Popper's Hungarian Rhapsody, Popper's Tarentella, and much more.