

Nicholas Chiang

HIGH SCHOOL STUDENT · COMPUTER SCIENCE · PHOTOGRAPHY · FILM

Palo Alto, California, USA · Founder of Tutorbook, Niveaux de Gris, and Qolor Media

🏠 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, Shopify, Printful, PayPal, Firebase
Applications	Photoshop, Premier Pro, After Effects, Illustrator, Media Encoder, Acrobat, Inkscape, FL Studio 20
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/lukehshiao/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 maintenance 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/lukehshiao/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

Palo Alto, CA

BROWN BELT INSTRUCTOR

Jan. 2016 - Now

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

Qolor Media

San Francisco, CA

PHOTOGRAPHER, FILMMAKER, MUSICIAN

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

Mountain View, CA

CELLIST

Jan. 2006 - Now

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