

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

Life Ambitions

My plans for high school and beyond are probably different from the dreams and ambitions of most aspiring Silicon Valley teenagers. I plan to graduate early from Henry M. Gunn High School and leave on a two-year-long mission for the Church of Jesus Christ of Latter-Day Saints after the first semester of my senior year. After that mission, my long-term plan is practically identical to that of any other techy: get into a prestigious university (right now, I'm aiming for a double major at one of the UCs), make friends, meet somebody, graduate with honors, get a well-paying job, and settle down for the rest of my life with somebody that I love to take on the ultimate challenge of cultivating a successful and loving family.

Though right now, with my needs more or less taken care of, I can take more risks and endeavor to do much more than I might be able to if I didn't have the living situation that I do (e.g. I don't have to worry about food, rent, bills, taxes, or anything that encumbers adults these days). So, I've been busy. Freshman year at Gunn marked the start of what I like to call real life. Freshman year I started working at Stanford with a PhD candidate on machine learning. Freshman year I created Tutorbook (the online tutor-booking platform that is now in use across the Palo Alto Unified School District) for my Eagle Scout service project. Freshman year I actually started making friends with people that I might even stay in touch with after high school and beyond. Freshman year I finally passed my Shotokan Karate promotion test and earned the rank of 4 kyu (brown belt). Freshman year I started a media production "company" to cultivate my photography, filmmaking, and music production skills. A lot has happened since I first stepped foot on Gunn campus, and fortunately for me, most for the better.

School has never really been a struggle for me. Maintaining a sense of balance has been. I expect myself to be the best at everything - I want to be able to start something brand new and excel at it - an expectation that clearly isn't realistic and only brings frustration. An expectation that can never really be obtained - and thus it is a constant chase, a constant striving for perfection that drives me. And I love it. I love the exhilarating feeling of success and the rushing urgency of failure. I love walking past the library and seeing people I know use Tutorbook. I love sharing my creations with others - being able to observe their responses and judge for myself what works and what doesn't. But it's never enough. There is always something more to be obtained, some new goal to be met, some new market to penetrate. The chase is implacable just as my desires for success are insatiable. It's an ambition that I hope to never lose. An ambition that defines who I am.

See below for a list of notable achievements, honors, awards, and leadership roles.

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 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

[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.