Clive A. Chan

https://clive.io | cc@clive.io

I'm a self-taught full-stack developer with more than 8 years of experience in programming, especially web applications, and I've run three academic competitions and worked in two fledgling startups. I'm also doing research projects in machine learning and network meta-analysis.

Born October 1998   **Citizenship** USA/Canada Dual   **Languages** English, native fluency; Mandarin, basic fluency

Academics

University of Waterloo Software Engineering, Co-op: 2016-2021
Lexington High School (Lexington, MA): 2012-2016

AP Scores	5 on Calculus AB & BC, Biology, Chemistry, Physics C Mechanics & E&M, Computer Science, Statistics, and Macro/Micro Economics; National AP Scholar
National Merit Scholarship	Finalist
Supplementary Courses	Multivariable Calculus & Linear Algebra at Harvard Extension School, gr. 10 Coursera Machine Learning, gr. 10-12

National Science Competitions

USA Computing Olympiad Platinum League   **USA Chemistry Olympiad** 2x School Finalist
USA Physics Olympiad Silver Medalist   **USA Math Olympiad** AMC 12 School Winner, 5x AIME qualifier

Experience

Notable public projects: clive.io, lexscibowl.org, live.lexhack.org, lhsmath.org, calcbee.org, vocative.github.io
Lines of code: 100,000+ public on GitHub (github.com/cchan)

Work & Research Experience

SkillFlow developer, 2016-present	Startup based in Palo Alto creating a platform to facilitate live collaboration of software developers in need of experienced help, using the Slack chat platform.
VitaeDev co-founder, 2016-present	Lead programmer in student-run startup writing modern websites for Lexington-area businesses, with free services to nonprofit community organizations. <vitaedev.com>
MIT PRIMES researcher, 2016-present	Performing network meta-analysis of cancer treatments to fairly compare treatment comparison studies with different parameters and results.
Kumon Teaching Assistant, summers 2014-15	Taught children in math & reading; supervisor of my section of TAs.
KTByte Teaching Assistant, summer 2014	Helped students learn Processing & build their own interactive projects.
Private C++ instructor summer 2013	Taught basics of C++ programming to elementary school students.

Web Development Languages/Technologies   *italics indicate particular expertise*

General: *Git & GitHub, Bash,* DOS Batch, FDD, BDD, Travis CI **Research:** *C/C++* with Make, *Java* with Maven, *Python,* NumPy, TensorFlow, Octave/MATLAB, R, LaTeX **Web Frontend:** *HTML5, CSS3 (with Sass), JavaScript, JQuery,* AngularJS, ReactJS, Socket.IO, Firebase **Apache Webserver:** *PHP, MySQL* **NodeJS Webserver:** *Express, CoffeeScript,* Gulp, NoSQL
Networking: *SSH,* Nmap **Linux Server Admin:** *Amazon EC2, DNS, SSL,* RedHat OpenShift, CloudFlare **IDE:** *Notepad++,* Atom, Visual Studio, Android Studio, Eclipse **Other:** RESTful APIs, GPG, Raspberry Pi, Arduino

Leadership

FIRST Robotics
LexHack high school hackathon, Co-Founder & Co-Director gr. 11-12 (lexhack.org)
OpenSource town grant-funded High School MakerSpace, Co-Founder & Co-Director gr. 11-12
FIRST Tech Challenge Team, Research & Development Lead gr. 11-12

Science Bowl
LexSciBowl middle school science contest, Founder & Co-Director gr. 11-12 (lexscibowl.org)
National Science Bowl Team Co-Captain & team 4th place nationally gr. 12

Math Team
Lexington Math Tournament middle school math competition, Director gr. 11-12 (lhsmath.org/LMT)
Math Team Co-Captain gr. 11-12
Webmaster, gr. 10-12 (github.com/cchan/lhsmath.org)