

JOHN CHIN-JEW

SOFTWARE ENGINEER

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EDUCATION

- Graduating Spring 2020** **University of California, Berkeley**
Berkeley, CA *B.S. Electrical Engineering and Computer Sciences (EECS)*
- Coursework: Computer Programs, Data Structures, Algorithms, Operating Systems, Databases, Compilers, Discrete Math & Probability, Information Devices & Systems
 - Committee Member of *Eta Kappa Nu* EECS Honor Society (top 25% of EECS): Developed and led introductory EECS labs for prospective UC Berkeley students.
 - CSM volunteer mentor (csmentors.berkeley.edu): Advised, supported, and taught computer science fundamentals to small sections of UC Berkeley students.
- Transferred Fall 2018** **Diablo Valley College & Los Medanos College**
East Bay, CA *A.S. Computer Science w/ Honors; A.A. Liberal Arts: Math & Sci. w/ Honors*
- Coursework: C++ Programs, Object-oriented Programs, Machine Structures
 - Certificates: Adv. C++ Programing, Program Design, Computer Architecture

EXPERIENCE

- June 2019 – Aug 2019** **Location Labs by Avast**
Emeryville, CA *iOS Software Engineering Intern*
- Developed the *Avast Family Space* iOS app (avast.com/en-us/family-space) for several network operators worldwide, in particular Verizon Wireless.
 - Analyzed and reported the benefits and implications of a Swift UI codebase for iOS 13 by re-implementing part of the *Avast Family Space* iOS app in Swift UI.
 - Improved Location Labs' iOS build process by introducing a Jenkins shared library for common continuous integration build steps.
- Jan 2019 – May 2019** **Department of Electrical Engineering & Computer Science, UC Berkeley**
Berkeley, CA *'Structure & Interpretation of Computer Programs' Course Tutor*
- Supported and taught computer science fundamentals to small sections of students.
 - Held office hours, gave 1-1 assistance, supported development of the course.

PROJECTS

- Spring Things** Mobile spring-based physics puzzle game built with Corona SDK.
wavalab.com/springthings
- CS 186 Database** Implemented the underlying data structures, iterators, join algorithms, cost estimation, query optimization, and concurrency lock manager for an SQL relational database.
cs186berkeley.net
- Emphasis** Productivity and mindfulness tool built with Elm.
emphasis.johnchinjew.com • github.com/johnchinjew/emphasis
- @make_rap** Node.js + Heroku Twitter bot that generates raps based on users' tweets.
twitter.com/make_rap • github.com/johnchinjew/make_rap

TECHNICAL SKILLS

- Languages** Fluent: Python, Java, Swift, C, Elm, HTML5, CSS, JavaScript
Familiar: C++, SQL, Lua, Ruby, Groovy, Scheme
- Technologies** Development: Swift UI, VIPER architecture, Elm web apps, Node.js
Software: Jenkins, Docker, Xcode, IntelliJ, Slack, Figma, Zeplin, Jira