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

- Coursework: Computer Programs, Data Structures, Algorithms, Operating Systems, Databases, Compilers, Discrete Math & Probability, Information Devices & Systems
- Serve Committee Member of Eta Kappa Nu EECS Honor Society (top 25% of EECS): Developed introductory EECS labs for prospective students visiting UC Berkeley.
- 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 and 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 on the "Verizon" Team

- Worked on an agile team to develop multiple flavors of the Avast Family Space iOS app 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 the Avast Family Space iOS app in Swift UI.
- Enhanced the shared platform at Location Labs 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

- Taught computer science to small sections of UC Berkeley 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

Emphasis — Productivity and mindfulness tool. Built with Elm.
emphasis.johnchinjew.com • *github.com/johnchinjew/emphasis*

CS 186 Database — Implemented the underlying data structures, iterators, join algorithms, cost estimation, query optimization, and concurrency lock manager for SQL database.
cs186berkeley.net

@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/C++, Elm, HTML5, CSS, JavaScript
Familiar: 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