John Chin-Jew

Software Engineer

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Education

Graduating Spring 2020
Berkeley, CA

University of California, Berkeley
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
East Bay, CA

Diablo Valley College & Los Medanos College
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
Emeryville, CA

Location Labs by Avast
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
Berkeley, CA

Department of Electrical Engineering & Computer Science, UC Berkeley
'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, Groovy, Scheme

Technologies
Development: Swift UI, VIPER architecture, Elm web apps, Node.js
Software: Jenkins, Docker, Xcode, IntelliJ, Slack, Figma, Zeplin, Jira