

Joseph Jin

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EDUCATION

University of California, Berkeley

B.S. in Electrical Engineering and Computer Science, GPA: 4.0/4.0

Berkeley, CA
Class of 2023

• Technical Coursework:

| | | |
|--------------------------------|------------------------------------------------|-----------------------|
| Optimization Models | Probability for Data Science | Efficient Algorithms |
| Data Structures | Discrete Math and Probability Theory | Computer Architecture |
| Structure of Computer Programs | Designing Information Devices and Systems I/II | |

• Skills:

Languages - Java, Python, Swift, JavaScript, C, Embedded C, RISC-V, Golang, R, Scheme, Lisp, Matlab
Frameworks - TensorFlow, Core ML, Vue.js, React Native, MySQL, React.js, Node.js, Express.js, MongoDB, Selenium
Dev Tools - Xcode, Git, Terminal, CI

EXPERIENCE

Mobile App Developing Experience

Native iOS Developer

Since 2017-Now

- Published 5 apps to App Store and gained 24,000+ downloads, utilizing Swift, Xcode, and CocoaPods.
- Created Visualize (iOS app) using the iPhone camera in conjunction with Apple's Core ML AI framework to create an affordable solution for the blind to navigate their surroundings. Accumulated 9,000+ downloads.
- Created Immolation Organization (iOS game) and ranked top 20/600 in official GitHub hosted game-coding contest.

Autodesk

Software Engineer Intern

San Rafael, CA
May 2021-Now

- Updated and revised C++ binary tamper-detection code used to protect license checking SDK from attackers.
- Developed Javascript tool and Jenkins pipeline that detects customer facing content errors on production server.

Stroll

Co-founder, Head of Engineering & Marketing

Berkeley, CA
April 2021-Now

- Startup chosen by Berkeley SkyDeck Batch 12 incubator program (7% acceptance rate).
- Spearheaded development of React Native mobile frontend and AWS SAM backend.
- Led weekly planning sessions on engineering and marketing goals.

Silicon Labs

Embedded Software Intern

Austin, TX
June 2019-August 2019

- Wrote Embedded C programs on Silicon Labs microcontrollers used by MCU customers as design reference.
- Expanded software support for BGX Bluetooth boards from 8-bit to 32-bit systems after discovering missing compatibility in the existing codebase.
- Wrote/debugged code for low-energy peripherals of 32-bit MCUs.

PERSONAL PROJECTS

• Pin It - Social Media App for Eanes School District

- Created social media app for school districts to pin places visited by students for contests on virtual map.
- Programmed Swift frontend, Vue.js admin dashboard, and backend features in JavaScript for Firebase cloud functions.

• Owner of YouTube Channel

- Passionate animator with 7,000 subscribers and 3,000,000+ views from 30+ stop motion videos.

AWARDS

• TACC Coding Contest

Ranked 1st place team, 3rd place individual in invitational coding contest.

• USACO Gold Division