

Yifan Du (Alex)

Software Engineer

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### SKILL & Qualifications

- 6+ years of App development in IOS (Swift, Xcode) & Android since 2014 (Java, Android Studio)
- 5+ years of experience of end to end iOS applications & object-oriented software development
- 3+ years in protocol oriented programming and Coordinator Pattern in IOS Development
- 3+ years in teaching computer science and course curriculum design and process

**Programming Language:** Java, Python, Swift (OOP)

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### Professional Software Working Experience

#### Memolet

September 2021 – Tilldate

- Implemented **Coordinator** Development Pattern solving massive view controllers management
- MVC / MVVM implemented managing front-end and back-end management
- AI/ML camera implemented in the smart camera section
- Local data based implemented allowing users to access data without internet connection
- Optimized algorithm and data structure and compressed the app to 1.1 MB
- **Link :** <https://apps.apple.com/au/app/memolet/id1586025019>

#### PhotoMaster Pro

Oct 2020 – Tilldate

- Photo-sharing app with Real-time data platform allowing sending message, images, and video.
- Managed to Build front and back end in Xcode, Firebase, Php, MySQL, JSON database. (MVC)
- Highly proficient in iOS development, application design philosophies (MVC, MVVM, etc.)
- Strong focus on high-quality mobile UI & UX experiences
- **Link :** <https://testflight.apple.com/join/Tv1UWmfM>

#### Ka-Cha!

May 2021 – Tilldate

- Smart Camera implemented multi-faces detection module, local album saving, airdrop sharing function.
- Implemented countdown and snapshot to capture users' faces (Tik Tok hide & seek challenge)
- Strong focus on high-quality mobile UI & UX experiences and mainstream fashion trend
- **Link :** [Ka-Cha! on the App Store \(apple.com\)](https://apps.apple.com/au/app/ka-cha/id1586025019)

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### Relevant Working Experience

#### AG Admission / Irvine, Ca

Feb 2020 - Tilldate

#### Computer Science Teacher

- Provided premium C++, Java, Swift and Python curriculum to high school and college students.
- Leading 6 students to prepare WWDC21 Swift Student Challenge( One won the challenge) **(submitted)**
- Providing private coding lecture for students in Korea, China, and North America through Zoom

#### CL Academy / Fullerton, Ca

Oct 2020 - Tilldate

#### Computer Science Teacher

- Leading 18 students to prepare WWDC21 Swift Student Challenge (One won the challenge). **(Submitted)**
- Leading 12 students to prepare Congressional App Challenge in 2021 **(In progress)**
- AP Computer Science P / AP Computer Science A

#### LongWings Education / Great Neck, NY

April 2021 - Tilldate

- IOS App Development **(In progress)**
- Python coding teacher Level 2

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### EDUCATION

University of California, Berkeley

2009-2013 (Graduated)

B.A Applied Mathematics

Cal Alumni Link <https://cal.berkeley.edu/uccainc>