**Wootae Jeon**

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**EDUCATION**

**UNIVERSITY OF CALIFORNIA, BERKELEY | Dec 2022** (3 year graduation)

B.S in Electrical Engineering & Computer Sciences (GPA: 3.86)

**Relevant Coursework**: Computer Programs, Data Structures, Machine Structures, Operating Systems, Efficient Algorithms, Database Systems, Cloud Computing, Machine Learning, Recommendation Systems, Natural Language Processing, Deep Neural Networks

**EXPERIENCE**

**APPLOVIN** Palo Alto, CA

**Mobile Development Intern (paid, full-time)** Jun 2022 – Present

* Introduced a new test scene inside internally used test app to investigate a bug inside the core SDK for swipeable native ads
* Devised and developed an interactive app-ads.txt (public file uploaded by app publishers that ad networks crawl to validate registered publishers and rule out fraudulent ad inventories) interpretor which provides the biz ops team with a native validation environment and publishers a convenient way to check the current status of their uploaded app-ads.txt file
* Implemented all features in both iOS and Android with matching structures, and made changes to the SDK documentation

**ALDOGGO STUDIO** Berkeley, CA

**Full Stack Developer** Dec 2021 – Present

* Developed a website that exhibits NFT collections and offers education to bring new users into Algorand ecosystem
* Participated in a wide range of tasks including front-end development using TypeScript with Next.js, making blockchain API calls, managing user data on MongoDB, implementing user authentication with OAuth, and hosting a web server on AWS
* Collaborated closely with a group of designers through Figma and real-time QA sessions for public deployment

**UC BERKELEY** Berkeley, CA

**Machine Learning Engineer**  Jan 2021 – May 2022

* Received 98% overall course grade in a graduate course for constructing six different modern NLP systems using PyTorch
* Implemented numerically stable forward and backward pass of a fully connected neural network in NumPy
* Implemented CNN and Vision Transformer with multiheaded attention and residual connection with PyTorch
* Researched on the development of recommendation systems that involve collaborative filtering, RNN and GAN

**NAVER WEBTOON** Pangyo, South Korea

**iOS Developer Intern (paid, full-time)** Sep 2020 – Dec 2020

* Refactored comments section into MVVM structure by constructing a separate class that works as a bridge between raw data from server and user interactions that significantly improved performance and code readability
* Planned, designed, and developed an iOS Home Widget prototype that provides direct link to a preferred section of the application, and presented thorough suggestions and possible obstacles for prospective SwiftUI development
* Refactored fan translation scene into RxSwift (reactive programming) based structure with simplicity and better readability

**FOOTAGE - “A SPACE-ORIENTED JOURNAL”** Sejong, South Korea

**Co-Founder / Lead Mobile Developer** Jun 2020 – Aug 2021

* Developed a native iOS application which provides a color-coded visualization of user’s daily journey, customizable by attaching photos and notes to a designated location and provide a global map and monthly reports of accumulated records
* Founded a sole proprietorship to register a paid application and launched an advertisement campaign on Instagram
* Researched heavily on the use of various iOS frameworks through official documentation and WWDC sessions

**AWARDS**

**UC BERKELEY EALC** Berkeley, CA

**Y.R.Chao Undergraduate Essay Prize** May 2021

* Recognized as the best undergraduate essay or research project in East Asian humanities of the school year

**APP STORE - APPLE**  South Korea

**3rd Lifestyle, 19th Overall Paid App in the Korean App Store** Oct 2020

* Developed and publicly launched a paid mobile application that reached a notable ranking on the App Store

**SKILLS**

**Languages:** English (native), Korean (native), Spanish (conversational)

**Programming:** Python, Java, C, C#, Matlab, Objective-C, Swift, SwiftUI, Kotlin, HTML, CSS, JS, TypeScript

**Experience with:** Git, AWS, MongoDB, RealmSwift, Firebase, Next.js, Heroku, Numpy, PyTorch, Unity