

# Wirawit Rueopas

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## Education

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**M.S. in Computer Science and Engineering** — *UC San Diego, CA* 09/18 - 05/20 (expected)

**B.Eng. in Computer Engineering** — *Chulalongkorn University, Thailand* 06/16

GPA: 3.72 / 4.0

## Professional Experience

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**iOS Developer** 01/18 - 06/18

*Oozou Co., Ltd. Thailand*

- Created visual iOS documentation process in Sketch by utilizing Salsa, a Yelp's library, to snapshot a view hierarchy and exporting class-named layers to a Sketch file, made it easier to navigate through codebase
- Implemented 3-4 main features in Swift, added unit tests to the codebase, UI-tested user flows
- Worked closely with 5-6 members of product team for the best user experience on the customer-facing app

**iOS Developer** 06/16 - 06/17

*Fire One One Co., Ltd. Thailand*

- Developed an iOS app that facilitates condominium life such as receiving mailbox notifications, direct-messaging with juristic person, checking personal finance and more
- Acted as a sole executer for the app, managed the development from start to finish
- Led a high-level API design of a RESTful dynamic form management system, made the frontend configurable from the backend by establishing a protocol that can interpret UI from JSON response
- Wrote Python scripts to speed up five-language localization on both iOS and Android, removed any inconsistencies previously caused by manual work on both platforms
- Enabled offline usage by caching content in Realm database while prioritizing data from APIs
- Coordinated on-site testing for home automation feature with clients and related parties

**Undergraduate Research: A Corner-based Saliency Model** 01/15 - 03/16

*Chulalongkorn University, Thailand*

- Proposed a bottom-up visual attention model based on corner processing by incorporating physiological facts about human vision in the work, ranked top-30 of other models in MIT benchmark
- Published a peer-reviewed paper, and presented it at the conference in Thailand
- Worked as a research intern for two months at JAIST, conducted literature view with MATLAB
- Implemented existing methods for modeling human visual attention using NumPy

**Lead iOS Developer** 09/14 - 01/16

*Course Square Co., Ltd. Thailand*

- Developed and deployed an online learning iOS app in Swift
- Reduced code size by 40% by sharing the code between iPhone and iPad as a universal iOS app
- Designed user interactions for both iPhone and iPad

## Software Projects ([aunnnn.com/projects](http://aunnnn.com/projects))

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### App Store Interactive Transition

- Presented a talk on how to implement iOS App Store's interactive transition at MobileConf18, Thailand
- Utilized: Swift, UIKit's transitioning APIs

### Platonos — [platonos.com](http://platonos.com)

- Created a social networking website focusing on one-on-one philosophical discussions on the internet. Everyone is anonymous and all talks are public
- Utilized: Next.js, React, Redux, Graphcool, GraphQL, JavaScript, HTML/CSS

## Skills

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**Programming:** Python, Swift, Java, HTML/CSS, JavaScript, Objective-C/C++, MATLAB, Node.js, MongoDB

**Related courses:** Algorithm Design, Data Structures, Software Engineering, Artificial Intelligence, Neural Network

**Github:** [github.com/aunnnn](https://github.com/aunnnn)