

SHANTAO YI

San Diego, CA | (858) 866-4039 | shantao.yi@gmail.com | shantao.me | [linkedin.com/in/shantaoyi/](https://www.linkedin.com/in/shantaoyi/) | github.com/ShinTo98

EDUCATION

UNIVERSITY OF CALIFORNIA SAN DIEGO

La Jolla, CA

B.S. in Computer Science with A Minor in Mathematics

08/2016 - 06/2020

Magna Cum Laude | Cumulative GPA: **3.94** / 4.00 | Major GPA: **4.00** / 4.00

EXPERIENCE

LAUNCHIT | Head of Product

La Jolla, CA | 08/2019 - Present

A [web-based platform](#) that connects fast-growing student projects with brilliant minds that think alike

- Revamped engineering processes by implementing **agile methodologies**; boosted dev team velocity by over **300%**
- Initiated a major pivot, shifting the org towards a new vision which pared down feature list by more than **50%**
- Embedded **Google Analytics**; analyzed data from GA & usability studies to make informed product decisions
- Improved User Experience team efficiency by **30%** through participating in iterative design process using **Adobe XD**

AILINK TECH CORP. | Product Manager

La Jolla, CA | 04/2020 - Present

A [mobile application](#) that empowers students to match roommates & locate off-campus housing

- Triaged **20+** new bugs within production software though launching a round of alpha & beta testing
- Proposed a revised product roadmap by conducting competitor analysis & investigating **150+** user research entries
- Created a high-fidelity interactive prototype according to the new features & use cases using **Adobe XD**

SALESFORCE | Software Engineering Intern

San Francisco, CA | 06/2019 - 09/2019

- Significantly enhanced usability for vision-impaired users by expanding the app's TalkBack feature using **Java & Kotlin**
- Improved CI workflow by introducing code coverage for Kotlin using **Gradle**; increased overall code coverage by **20%**
- Contributed in bug fixes, UI controller logic improvements, unit tests generation, QA, and regression testing

UC SAN DIEGO | Academic Tutor, CSE Dept.

La Jolla, CA | 09/2017 - 12/2019

- Tutored for multiple classes, covering topics such as **Java, C, C++, OOP, data structures**, and **ML/RL algorithms**
- Held lab hours to analyze/debug code & explain related concepts; led discussion sessions for **400+** students

PRECISEPK | Software Engineering Intern

San Diego, CA | 07/2018 - 09/2018

- Redesigned UI & workflow and implemented new features such as CRS record storage using **QT Creator** and **C++**
- Achieved **100%** more dosage history storage by refactoring codebase and applying object-oriented design

PROJECTS

XPLORE UCSD | Project Manager

[\[shantao.me/pages/assets/file/XPlore.pdf\]](http://shantao.me/pages/assets/file/XPlore.pdf)

A "virtual tour guide" for everyone visiting UC San Diego, endorsed by San Diego Architectural Foundation

- Led a team of **7** developers and **2** UI/UX designers; implemented **agile methodologies**
- Met regularly with multiple stakeholders to receive feedback and understand requirements
- Conducted user interviews & usability studies; analyzed results and prioritized features accordingly

CAFFEINEMATED | Tech Lead

[\[github.com/ShinTo98/CaffeineMated\]](https://github.com/ShinTo98/CaffeineMated)

- Coordinated a team of **10**, monitoring development progress and generating tech specs from features & use cases
- Contributed to front-end implementation & **Google location services** embedment using **React Native (JSX)** & **JavaScript**

Modern Convolutional Object Detector Under Security-related Usage | Research Article

[\[github.com/ShinTo98/Luggage-Detector/blob/master/Paper.pdf\]](https://github.com/ShinTo98/Luggage-Detector/blob/master/Paper.pdf)

- Implemented a task-specific object detector; trained, fine-tuned, and tested against original handpicked datasets
- Resulting accuracy is **on par** with state-of-the-art object detectors that are trained using much larger datasets

SKILLS

PROGRAMMING LANGUAGES: Python, C, C++, HTML/CSS, SQL, Java, Kotlin, JavaScript, React, React Native

TOOLS: Vim, Android Studio, Unix, Git, Docker, Trello, Adobe XD, Figma, Google Analytics

CONCEPTS: Agile Dev., Product Management, Design Thinking, Algorithms, Data Structures, OOP, Design Patterns

MACHINE LEARNING: Data Sci., Traditional ML, RL, NN & Deep Learning, Object Detection, Recommender Sys.

ACTIVITIES

CHINESE ENGINEERING SOCIETY | Founder & Department Chair

[\[ucsdces.com\]](http://ucsdces.com)

- Led **14** officers; initiated, planned and hosted multiple educational events, benefiting **over 500** students
- Formulated dept.'s infrastructure and management policies; presided all-hands meetings & coordinated sub-teams