

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

B.S. IN COMPUTER SCIENCE WITH A MINOR IN MATHEMATICS

LA JOLLA, CA

08/2016 - 06/2020

Provost Honors | Cumulative GPA: 3.94 / 4.00 | Major GPA: 4.00 / 4.00

CORNELL UNIVERSITY

M.ENG. IN COMPUTER SCIENCE

ITHACA, NY

08/2020 - 01/2022 (Expected)

Coursework includes: Advanced Topics in CS, Data Science, *Design & User Experience*, *Product Management*

EXPERIENCE

LAUNCHIT | HEAD OF PRODUCT

La Jolla, CA | 08/2019 - Present

A web-based platform that allows college students to initiate/participate in side projects

- 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 and formulating the org's 2-year strategic plan
- Pared down feature list by more than **50%** to enable MVP development with critical features within **10** weeks
- Embedded *Google Analytics*; analyzed data from GA & usability studies to make informed product decisions

AILINK TECH CORP. | PRODUCT MANAGER, UNILINK SHARE

La Jolla, CA | 04/2020 - Present

A mobile application that empowers students to match roommates & locate off-campus housing

- Launched a round of alpha & beta testing, discovered & triaged **20+** new bugs within production software
- Proposed a roadmap by conducting competitor analysis & investigating **150+** user research entries
- Redesigned housing cards & housing details page according to the findings using *Adobe XD*

SALESFORCE | SOFTWARE ENGINEERING INTERN

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

- Implemented a new feature using *Java* & *Kotlin* that supports WebView-to-PDF transformation and file sharing
- 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

- Tutor for multiple classes, covering topics such as *Java*, *C*, *C++*, *OOP*, *advanced data structures*, and *ML/RL algorithms*.
- Hold lab hours to analyze/debug code, explain related concepts, and lead discussion/review sessions for **400+** students

HEALTHWARE INC. | SOFTWARE ENGINEERING INTERN

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

Worked on PrecisePK, a pharmacokinetic-based drug monitoring software

- Redesigned UI & its workflow and implemented new features such as CRS record storage using *QT Creator* and *C++*
- Refactored codebase and applied an OO design pattern which allowed **100% more** dosage history storage

PROJECTS

XPLORE UCSD | PROJECT MANAGER [SHANTAO.ME/PAGES/ASSETS/FILE/XPLORE.PDF]

- Led a team of **7** developers and **2** designers; implemented agile methodologies
- Met regularly with stakeholders to demo dev progress, receive feedback and understand requirements
- Analyzed user needs and prioritized related features to adapt the unique quarterly dev timeline

CAFFEINEMATED | TECH LEAD [GITHUB.COM/SHINTO98/CAFFEINEMATED]

- Developed (with a team of **10**) a mobile social media platform that allows students to share coffee with each other
- Contributed to front-end implementation by *React Native (JSX)* & *JavaScript* and *Google location services* embedment
- Coordinated sub-teams, monitored development progress and generated the overall roadmap

RESEARCH ARTICLE MODERN CONVOLUTIONAL OBJECT DETECTOR UNDER SECURITY-RELATED USAGE

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

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

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

ACTIVITIES

CHINESE ENGINEERING SOCIETY [UCSDCES.COM]

LA JOLLA, CA

FOUNDER & DEPARTMENT CHAIR | CAREER DEVELOPMENT DEPT.

09/2018 - 05/2020

- Led **14** officers; initiates, planned and held educational events with an average attendance of **over 50** students each
- Formulated dept.'s infrastructure and management policies; presided all-hands meetings & coordinated sub-teams