

SHANTAO YI

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EDUCATION

UNIVERSITY OF CALIFORNIA SAN DIEGO

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

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

LA JOLLA, CA

08/2016 - 06/2020

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
- Worked closely with User Experience team to improve current features/design new features using **Adobe XD**

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 product roadmap by conducting competitor analysis & investigating **150+** user research entries
- Created a high-fidelity interactive prototype according to the new product roadmap 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

PRECISEPK | SOFTWARE ENGINEERING INTERN

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

- 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](http://shantao.me/pages/assets/file/xplore.pdf)]

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

CAFFEINEMATED | TECH LEAD [[GITHUB.COM/SHINTO98/CAFFEINEMATED](https://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](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 Science, Traditional ML, RL, NN & Deep Learning, Object Detection, Recommender Sys.

ACTIVITIES

CHINESE ENGINEERING SOCIETY [[UCSDCES.COM](http://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