SHANTAO YI

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EDUCATION

UNIVERSITY OF CALIFORNIA SAN DIEGO
LA JOLLA, CA

B.S. in Computer Science with A Minor in Mathematics
08/2016 - 06/2020

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

SKILLS

LANGUAGES: Python, C, C++, HTML/CSS, SQL, Java, Kotlin, JavaScript, React, React Native (JSX), Redux

TOOLS: Vim, Android Studio, Qt Creator, Unix, Git, Github, Docker, Trello, GitKraken Glo Boards, G Suite

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

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

EXPERIENCE

SALESFORCE.COM
SAN FRANCISCO, CA

Software Engineering Intern | Field Service Lightning - Mobile (Android)
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

UNIVERSITY OF CALIFORNIA SAN DIEGO
LA JOLLA, CA

Academic Tutor | CSE Dept., Jacobs School of Engineering
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.
SAN DIEGO, CA

Software Engineering Intern | Precise PK
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 [HTTPS://SHINTO98.GITHUB.IO/PERSONALWEBSITE/FILES/XPLORE.PDF]

- Create an "virtual tour guide" for visiting UCSD; in collaboration with UCSD & the San Diego Architectural Foundation
- Corporate the dev and the UI/UX team, create and prioritize user stories/features as the **Product Manager**

LAUNCHIT [LAUNCHITNOW.ORG]

- Coordinate different teams within the organization, create and prioritize user stories/features as the **Product Manager**
- Setup overall development stages & roadmap, direct & monitor scrum development process
- Analyze product's business potential, prepare pitch decks/demos, reach out for collaborations

CAFFEINEMATED [GITHUB.COM/SHINTO98/CAFFEINEMATED]

- Developed (with a team of 10) a mobile social media platform that allows convenient coffee purchases
- Contributed to front-end implementation by *React Native (JSX) & JavaScript* and *Google location services* embedment
- Communicated with sub-teams, coordinated sprints and the overall timeline as the **Tech Lead**

TRIPP: TRIP ANYWHERE, ANYTIME [GITHUB.COM/SHINTO98/TRIPP]

- Created (with a team of 3) a commercial traveling website inspired by the trending concept of sharing economy
- Built the login/signup process (front end UI & mock backend) using *HTML/CSS*, *JavaScript*, *React*, and *Redux*

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

Research Article   Recommender System Based on Video Games Data: A Survey
[HTTPS://GITHUB.COM/ShinTo98/Recommender-System-Survey/blob/master/Paper.pdf]

- Designed an recommender model utilizing *Jaccard Similarity & SVM* with tailored features such as *TF-IDF* results
- Predicted purchases with 84.9% accuracy, **16.9%** over the baseline

ACTIVITIES

CHINESE ENGINEERING SOCIETY [UCSDCES.COM]
LA JOLLA, CA

Founder & Department Chair | Career Development Dept.
09/2018 - Present

- Lead **14** officers; initiate, plan and hold educational events with an average attendance of **over 50** students each
- Formulate dept.'s infrastructure and management policies, preside all-hands meetings, coordinate sub-teams