

Trish Lam

trishvylam@gmail.com | (626) 383-9532 | linkedin.com/in/trish-lam | github.com/trishshsh

EDUCATION

University of California, San Diego

B.S. Computer Science

Regents Scholarship (4-year paid tuition by merit)

Expected June 2022

GPA: 3.7

Major GPA: 3.9

EXPERIENCE

Spot Hype | iOS Developer Intern

3/2020 - Present

- Single-handedly translated an **Adobe XD** implementation of the new **UI design** into code, tasked by CEO
- Performed **code reviews** solving issues with **SMS verification** screen and successfully combined old **Objective C** with new **Swift** screens

Successful University Students | Project Manager

3/2020 - 6/2020

- Led a team of 10, organized discussions, supervised project deadlines, and accelerated progress
- Solved 40% of roadblocks within **frontend** & **backend** by retrieving targeted data from **Firebase** using a **MVC architecture** & creating components with **React Native**

UC San Diego | Computer Science Teaching Assistant

1/2020 - 3/2020

- Tutored 100+ students to help develop understanding of **discrete math** concepts during lectures
- Hosted office hours 2x per week to instruct students on **logic gates**, **algorithms**, **predicates**, **sets**, **proofs** and **induction**

San Diego Supercomputer Center | Regents Scholars Research Intern

9/2018 - 12/2018

- Worked alongside Executive Director to get introduction to **data science research**
- Used **Python** in **Jupyter Notebooks** to mine Twitter data to uncover patterns between emoji usage and gender identification

Google | Computer Science Summer Institute Participant

6/2018 - 7/2018

- Learned **full-stack web development** within 2 weeks: creating **databases**, updating the **backend** dynamically, and implementing **APIs** and **libraries**
- Led team in **front-end development** of social network, using **JavaScript**, **Python**, **HTML/CSS**, and **Google AppEngine** and presented to Google engineers (bit.ly/wllybnd)

TECHNICAL PROJECTS

Social University Platform | github.com/trishshsh/SocialUniversityPlatform

6/2020

- Coded **iOS** app using **React Native**, **Firebase**, **Express.js**, and **Axios** through remote collaboration on **Visual Studio Live Share** & deployed on **Expo**

Nano Language

6/2020

- Implemented an interpreter for a subset of **Haskell** (called Nano) using notions of **lexing**, **parsing**, **scoping**, **binding**, as well as **environments** and **closures**.

Code at an Earlier Age | github.com/COGS108/group081_wi20

3/2020

- Performed background research, **data cleaning**, **data visualization**, and **data analysis** on a survey data using **Python** packages like **pandas** & **numpy** in a collaborative data science project

Snake Stream (Puzzle Game)

3/2019

- Programmed **backend** in **Java** & **GUI** elements with **JavaFX**; features 8 levels, ability to move, undo, redo, save and load progress

Under-the-Crab (Robot) | bit.ly/underthecrab

12/2018

- Programmed in **C++** to control sensors, motors, pincers, music, and LEDs arrays using **Arduino**
- Assembled autonomous crab-like robot by designing with **Tinkercad**, **3-D printing**, and **soldering board**

SKILLS

- Programming Languages:** Java, C, C++, JavaScript, Python, HTML/CSS, Swift, Haskell, λ -calculus
- Tools:** GDB, Valgrind, JavaFX, Git, XCode, Google AppEngine, Firebase, React Native, Node.js, Express, Axios
- Natural Languages:** Spanish, Vietnamese, English

ACTIVITIES

- Involvement:** Rewriting The Code Fellow 2019-2021 | MongoDB WiC Summit | #BuiltByGirls | SDHacks 2019
- Cultural Awareness:** Vietnamese Student Association | KP (Philipinx) | Korean-American Student Association
- Leadership:** Founding Class, Alpha Kappa Psi | Design Chair, KND Dance | Hack Squad, Association for Computing Machinery | Mentor, BPUSD | Founder, Leo Club | Swim Instructor | Varsity Volleyball Captain