

Trish Lam

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EDUCATION

University of California, San Diego | Computer Science (B.S.)

09/2018 – 05/2022

Regents Scholarship | Provost Honors

GPA: 3.7

Sierra Vista High School

2014-2018

Valedictorian | California State Seal of Biliteracy

GPA: 4.7

EXPERIENCE

Google | Computer Science Summer Institute

6/2018 – 07/2018

- Learned **full-stack** web development, such as creating **databases** with **Google AppEngine**, updating the **backend** dynamically, and implementing **APIs** and **libraries**
- Programmed **collaboratively** with **Python**, **JavaScript**, **HTML/CSS** and **presented** a fully-functioning website to **Google engineers**

UC San Diego | Computer Science Tutor

1/2020 – Present

- **Assisted 100+ students** to help develop understanding of **discrete math** concepts during lectures
- Held **weekly office hours** to tutor groups and individual students

Felicity CBT | iOS Developer

10/2018 – 01/2019

- Learned basic knowledge of **Swift** and **XCode** through the lead developer and different online courses
- Gained exposure to **code review** through the **debug** process of the current version of the app

San Diego Supercomputer Center | Regents Scholars Research

9/2018 – 12/2018

- Worked alongside Executive Director to **research** open-ended problems and learn **data science**
- Our project consisted of using **Python** in **Jupyter Notebooks** to mine Twitter data to uncover patterns between emoji usage and gender identification

TritonXR | Web Developer

10/2019 – Present

- Acquired knowledge in web development using **React independently**
- **Collaborated** with the WebDev team in creating a new website for the club's hackathon, HackXR

TECHNICAL PROJECTS

Snake Stream

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

B/lend

(<http://bit.ly/wllybnd>)

- Led team in **front-end** development of a **social network website**, updated it **dynamically** with **JavaScript**, contributed to database code using **Python**, and published with **Google AppEngine**

Prince's Maze Rescue

- Video game maze written **without prior programming knowledge** within **2-days** in **Snap! JavaScript**, where user can move, interact with other characters, and reset the game

Trishshshop!

(<http://bit.ly/trshshop>)

- **Deployed** teaser **website** for a local online clothes resale shop with **GitHub Pages**, coded in **HTML/CSS**

SKILLS

- **Programming Languages:** Java, JavaScript, Python, C, Swift, HTML/CSS, C++
- **Tools:** GDB, Valgrind, Vim, VS Code, JavaFX, Git, Arduino, ReactJS, XCode, Google AppEngine
- **Natural Languages:** Spanish, Vietnamese, English

LEADERSHIP

Alpha Kappa Psi (Founding Class) | KND Dance Team (Design & Media Chair) | ACM (Diamond Staff) | Leo Club (Founder & President) | BPUUSD Mentorship | JUMP Mentorship | Varsity Volleyball Captain | Swim Instructor

AWARDS

KASA Dance-Off 1st Place | McDonalds x KCON Featured Artwork | Vocal Ensemble Most Inspirational | 2-Time Montview League Scholar Athlete | National AP Scholar | Academic Excellence Dual Language Program Award