

Ryan Tran

ryanmtran922@gmail.com | (858)-366-3327 | <https://www.linkedin.com/in/ryan-m-tran/>

Website: ryanmtran.github.io/portfolio | Github: ryanmtran

EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES (UCLA)

Los Angeles, CA

Bachelor of Science, Computer Science

(Expected graduation June 2022)

- **GPA:** 3.83/4.0
- **Awards and Honors:** Valedictorian (high school), Princeton University Award in Race Relations, Upsilon Pi Epsilon Honors (Top 1/3 of Computer Science Class), UCLA Dean's List, Out4Undergrad Tech Invitee

WORK EXPERIENCE

Viasat

Carlsbad, CA

Software Engineering Intern

June 2020 – September 2020

- Developed a test suite for the Radio Frequency Environment Generation (RFEG) team to automate the AIMS 1101 certification procedure
- Leveraged Viasat's VRG API and Python to evaluate a transponder's compliance with DoD AIMS standards on a radio frequency simulator, reducing a several month's long certification process to less than 24 hours
- Utilized PyQt5 to architect pop-up system, enabling client intervention during certification

Northrop Grumman

San Diego, CA

Software Engineering Intern

June 2019 – August 2019

- Engineered software for Link-16, a military Tactical Data Link (TDL) to mediate near real-time tactical imaging and communication between aircraft and ground bodies
- Utilized JavaFx to redevelop Link-16's Graphical User Interface, programming UI elements, spearheading the integration of CSS, and restructuring control components to facilitate intuitive user experiences
- Developed Java programs for optimized data parsing of information from xml and accdb files

PROJECTS

Program for Torture Victims Non-Profit Mobile App

Jan 2020 – Present

- Develops a cross platform React Native mobile app for Program for Torture Victims, a 501(c)(3) nonprofit centered around providing asylum seekers access to resources and a forum to share stories and information
- Architected and implemented the front-end and back-end of the app-wide notification system, forum post creation, profile login management, and interfacing of posts to users

Crohn's Disease Data Analysis

November 2019 – March 2020

- Leveraged bash scripting and the HESS API to perform a data analysis for Crohn's disease, enabling estimation and visualization of heritability and genetic covariance

LEADERSHIP EXPERIENCE

Upsilon Pi Epsilon (UPE) Alumni Director

Jan 2020 – Present

- Hosts UPE's Alumni Mentorship Program, facilitating 30+ alumni-student pairings to demystify industry
- Spearheaded the UPE Podcast Series and Diversity Panel, espousing perspectives on tech and inclusivity to combined audiences of over 300 individuals

GlobeMed Director of Communications

February 2020 – Present

- Manages website, external facing content, and presentations to 50+ members to standardize communication practices

SKILLS

- Programming Languages: Python, C++, Java, Bash
- Technology and Frameworks: Git, Perforce, React Native, Firebase, Java FX, Linux Environments