Ryan Tran

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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 AIMES 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 Link16'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*
- Manage 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