

# Philip Do

Los Angeles, CA 90024 | (714) 548-2027 | [philipminhdo@ucla.edu](mailto:philipminhdo@ucla.edu) | [philipdo.dev](http://philipdo.dev)

---

## Education:

### **University of California, Los Angeles (UCLA)**

*Master of Engineering, Autonomous Systems, M.Eng.*  
*Computer Science and Engineering, B.S. - GPA: 3.7*

Los Angeles, CA  
*Expected Summer 2025*  
*Graduated June 2024*

## Professional Experience:

### **Deloitte & Touche LLP | Cyber & Strategic Risk Intern**

*Seattle, WA - Summer 2023*

- Conducted thorough research on cybersecurity vulnerabilities, assessing client's internal controls to mitigate risks from outdated network protocols, unpatched systems, and misconfigured servers
- Generated reports that evaluated if client's cybersecurity measures were compliant with the NIST Special Publication 800-53 Rev. 5 and HIPAA requirements with recommendations to remedy unmet standards

### **NASA Jet Propulsion Laboratory (JPL) | Software Engineering Intern**

*Pasadena, CA - Summer 2022*

- Prototyped a web-based implementation of the Computer Aided Engineering for Systems ARchitecture (CAESAR) Workbench to improve accessibility and UI/UX by porting over the Eclipse-based workbench used by some of JPL's flagship flight projects (Europa, Psyche, MSR) to design their complex systems
- Focused on backend to create a REST service with OML API integration, exception handling, and unit tests

### **Northrop Grumman Corporation | Software Engineering Intern**

*Redondo Beach, CA - Summer 2021*

- Developed an AngularJS website to showcase internal R&D updates and advertise to customers
- Automated PDF report generation of team GitHub statistics using Python and the GitHub REST API
- Leveraged Infrastructure as Code through Ansible to automate the deployment of hardened machines
- Revamped the previous onboarding process with a visual overhaul to reduce new hire onboarding time

### **Boeing Company | High School Internship Program Lead**

*Huntington Beach, CA - Summer 2020*

- Developed a virtual internship program for 65 high school interns
- Organized 20+ events, including tech talks with company leaders, financial advising, and college panels
- Conducted adjustment from traditional in-person internship to virtual internship program

### **Boeing Company | High School Systems Engineering Intern**

*Seal Beach, CA - Summer 2019*

- Simulated lunar mining colony development in Systems Toolkit (and earned an expert certification), identifying a potential 24% increase in mass payload capacity when using xenon ion engines
- Led team of 8 interns to provide IT support for a program of 70+ interns and create separate internship site

## Extracurricular Experience:

### **Secure Systems & Architectures Laboratory | Student Researcher**

*April 2024 - Present*

- Researching real-time ML integrated processing for multi-camera object masking in mixed reality (MR) environments, focusing on lightweight operation and accuracy in preserving privacy and user experience
- Leading design and optimization of system pipeline, creating diverse synthetic and real-world datasets along with evaluation metrics to benchmark performance and support the broader research community

### **Rocket Project at UCLA | Electronics Subteam & Avionics Software Lead (2022-2023)**

*2020 - 2024*

- Built and maintained code that powers ground systems microcontrollers, DAQ GUI, and avionics GUI
- Managed component team general members and defining standards for the software development process
- Redesigned the entire Rocket Project at UCLA website to modernize club publicity and showcase sponsors

### **Engineering Society at UCLA (ESUC) | Webmaster (2022 - 2023)**

*2022 - 2024*

- Created, maintained, and expanded mobile and web applications that are used by thousands of current and prospective engineering students for ESUC and the UCLA Henry Samueli School of Engineering

## Skills:

- Languages: C/C++, Java, Python
- Full stack development: HTML, CSS, JavaScript
- Skilled in graphic design and digital media
- Bilingual: English and Vietnamese
- Frameworks: AngularJS, Spring, Vue.js
- Hardware: Arduino and VEX Robotics
- Effective collaborative or independent worker
- Leadership and communication