

YAHIR DIMAS

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Active Clearance, U.S. Citizen

EDUCATION

University of California, Los Angeles

Expected June 2026

Pursuing B.S. in Computer Science and Engineering

Coursework: *Data Structures and Algorithms (C++); Fundamentals of Artificial Intelligence (Python);*

Computer Systems Architecture; Computer Organization

Programming Languages: *C/C++; Python; Swift; Java/JavaScript*

Tools: *Fusion 360; Dobot Studio; RobotC; LabVIEW; Git; GitHub; Firebase*

PROFESSIONAL ORGANIZATIONS

Center for Excellence in Engineering and Diversity, UCLA

July 2022 – Present

Society of Latinx Engineers and Societies (SHPE), UCLA

July 2022 – Present

UCLA Club Track and Field – Social Media Manager

October 2022 – Present

PROFESSIONAL EXPERIENCE

Northrop Grumman (Internship) – Software Engineer | San Diego, CA

Summer 2023, 2024, & 2025

- Developed an **encrypted user management program**, **GUI**, and **TCP/IP based 12-light switch simulator** in **LabVIEW** for remote and local fiber testing
- Collected and analyzed fiber cable data using an **automated fiber testing** software with **thresholds** and **baseline** metrics
- Created internal software documentation, including **Excel** block diagrams and installation guides
- Communicated with **vendors** for fiber cable specifications and pricing
- Presented automated fiber testing software in a **live** vendor demo, addressing technical questions
- Maintained version control with periodic **Git** backups and updates

LawNET IT – Student IT | UCLA

May 2023 – Present

- Manage user access and devices through **Microsoft Intune Admin Center**
- Deploy driver updates and **Windows OS** patches to maintain security and system compliance
- Provide **technical support** to students and professors experiencing issues with computers, web services, printing, or applications

TECHNICAL PROJECTS

BruinBuzz (iOS Application) – CTO & Full-Stack Engineer | UCLA

Spring 2024 – Present

- Developed and launched an iOS event-promoting application for UCLA students
- Collaborated in a team of **4** to achieve **App Store** approval in **less than 9 weeks**
- Self-taught **Swift** coding using **Xcode** to develop both **front-end** and **back-end** app functionality
- Constructed **private** and **secure** user profiles, using **Firebase** for data storage

Portfolio (Website) – Web Developer | yahirdimas.com

Summer 2024

- Developed a full-stack website from scratch using **HTML**, **CSS**, and **JavaScript**
- Applied responsive design with **media queries** for **cross-device compatibility**
- Secured website with **SSL encryption** for data protection

MyStyle (Website Application) – Full-Stack Engineer | UCLA

Winter 2024

- Developed a social web app for sharing fashion wardrobes and closets using Node.js and React
- Designed and implemented a search feature using Firebase to fetch userIDs and names
- Documented progress and updates on Github for version control and collaboration

Defect-Recognition with Terahertz (Research Project) – Data Collector | UCLA

Fall 2022

- Tested if defect recognition in **3D printed objects** is possible using **terahertz**
- Created knife-edge measurements for spot-sizing and measured the signal-to-noise ratio of images
- Recorded **transmission data** for different thicknesses of **HIPS** samples