

# Hung Nguyen

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## EDUCATION

### Loyola Marymount University

Los Angeles, CA

Candidate of Bachelor of Science, Mechanical Engineering; Major GPA: 3.1/4.0

Expected May 2027

- **Organizations:** Society of Automotive Engineers, Crimson Consulting Group, Lions Motorsport, American Society of Mechanical Engineering
- **Awards:** LMU scholarship, FPT employee certificate

## SKILLS AND LANGUAGES

**Softwares:** Html/CSS, JavaScript, Python, PostgreSQL, Java, Vue.js, Visual Studio Code, IntelliJ IDEA, WebStorm, GitKraken, Source Tree, Git/GitHub, Postman, Microsoft Office

**Hardwares:** SolidWorks, MATLAB, Arduino IDE, Arduino, GD&T

**Languages:** English, Vietnamese

## PROFESSIONAL EXPERIENCES

### Anh Tu Garage

Ho Chi Minh, Viet Nam

Mechanical Engineer Intern

May 2024 – October 2024

- Conducted routine maintenance on engines and parts, including diagnostics, repairs, and replacements for an average of 8 vehicles per day, resulting in seamless workflow
- Inspected mechanical failures by analyzing component wear and failure patterns, assisting with 2 to 3 significant repairs weekly, ensuring rapid workflow and increasing work efficiency by 70%
- Managed inventory of mechanical parts and tools by tracking usage, ordering supplies, handling over 50 different tools and devices, and ensuring all items were organized and readily accessible for maintenance and repair tasks

### Financing and Promoting Technology Corporation

Ho Chi Minh, Viet Nam

Software Engineer Intern

May 2023 – August 2023

- Manipulated databases utilized PostgreSQL to improve and consolidate data structures, resulted in restructured data flow among 10 files and trimmed down memory storage by 80%
- Implemented and designed a front-end web page short link by collaborated with the Solution and Technology Unit, resulted in an internal functional feature hosted approximately 42,000 employees

## PRACTICAL EXPERIENCES

### Lion Motorsport Formula Racing

Los Angeles, CA

Vehicle Dynamic Engineer

January 2025 – Present

- Collaborates and communicates effectively with 10 team members to create CAD parts for the suspension area using Solidworks and researching competitors
- Calculates and designs parts to ensure they fit within budget and specifications. Results in clear drawings with GD&T for manufacturers

### Crimson Consultant Group

Los Angeles, CA

Hardware Project Manager

January 2024 – Present

- Manages a team with diverse skill sets, ensuring tasks are assigned and handled efficiently
- Created an order management program interface for a multi-billion-dollar short-term rental company, met with head product manager and client, providing seamless user interaction for ~23k monthly users
- Developed parking lot sensor prototypes with the Entrepreneurship Society using Arduino and Reed switches, streamlining real-world data collection into an interactive mobile app to enhance parking space detection accuracy.

### RAINS Research Program

Los Angeles, CA

Research Assistant

March 2025 – Present

- Assemble and test a 6-degrees-of-freedom driver simulation system, ensuring accurate motion dynamics and responsive controls, which enhances driver training and research capabilities.