

Angela Yang

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OBJECTIVE: Seeking Software Development Internships and Computer Science Research

EDUCATION

University of California, Los Angeles (UCLA)

September 2021 - June 2025

Bachelor of Science, Computer Science & Linguistics

- GPA: 3.661
- Coursework: Algorithms and Complexity, Data Structures, Software Construction, Artificial Intelligence, Operating Systems, Computer Architecture, Object-Oriented Programming, Programming Languages, Discrete Mathematics, Linear Algebra, Multivariable Calculus, Syntax, Phonetics, Phonology, Semantics

Venice High School

August 2017 - June 2021

- GPA: 4.875 (Valedictorian), Science Bowl (4 years, Captain for 2 years), CyberPatriot Co-Captain (1 year)
 - Research Lab Assistant for Dr. Vondriska Heart Failure Lab (Summer 2019)
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TECHNICAL SKILLS

Full-Stack Development, Object-Oriented Programming, Web Development, Game Development

Languages/Frameworks: C++, C, C#, Python, Javascript/Node.js/Three.js, HTML, CSS, React, OCaml, Java, Prolog, Scheme, Rust, R, Shiny,

Software: Blender, Unity, Visual Studio, Firebase, Git/Github, LaTeX, Bash, Linux/Unix

EXPERIENCE

Verifiable & Control-Theoretic Robotics Lab - UCLA

June 2023 - Present

Researcher

- Developer for Dr. Brett Lopez's VECTR lab, optimizing autonomous A* navigation algorithm and transitioning codebase from Python to C++ for performance.

Language Acquisition Lab - UCLA

April 2023 - Present

Researcher/R Developer

- Developer for Dr. Megha Sundara's developmental phonetics lab, designing and developing a new app in R utilizing the Shiny library.
- App used to parse and organize infant speech phonetics, allowing for data fetching based on phonological environment as well as data visualization and graphics.

UCLA IT Support Center

March 2022 - Present

IT Support Analyst

- Identify and effectively assist with technological issues with an emphasis on end-user satisfaction.
- Provided a high rate of resolution for 70,000+ UCLA students and faculty.
- Demonstrated customer service skills in a wide variety of network, account management, and cybersecurity issues.

David Geffen Juvenile Idiopathic Arthritis Clinic - UCLA Health

February 2022 - December 2022

App Developer

- React Native app developer for health-monitoring app for Dr. Edmund Tsui's ophthalmology clinic.
 - Implemented and designed user profile, authentication, and communication services in front-end and back-end.
 - Integrated Firebase, React Native, Xcode Developer Tools, Node.js into app and workflow.
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PROJECTS (github.com/ayangelah)

DoctorAMA: (QWER Hacks Winner) 24-hour hackathon developing full-stack website to help improve LGBTQ+ access to affirming, confidential healthcare. Deployed at hellodoctorama.tech or under [github doctor-ama](https://github.com/doctor-ama) repo.

FloraFauna: Web app collaborative project for Software Construction class written with React, Node.js, CSS, Firebase, and javascript. Ecological distribution mapping platform for identifying animal and plant sightings.

OrgoBot: Personal project 3D RPG-style mission-based Unity game teaching players organic chemistry synthesis. Written in C# with Unity game engine. Blender and Photoshop used to create assets.

Birdbrained: Personal Project 3D Simulator game allowing players to "turn off" parts of the sprite's brain to learn neurophysiology. Written in C# with Unity game engine. Blender and Photoshop used to create assets.

AWARDS

2023 Hack on the Hill Hackathon 1st Place for Best Game

- 12-hour team hackathon building a Scikit Learn ML Model simulated in Unity 2D game environment to give feedback about user's driving and estimate if they would be prone to road rage given a set of conditions.

2022 Hack Kitchen Hackathon 2nd Place - Timed team hackathon solving React, Node.js, C++, and Python puzzles