Angela Yang

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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: 3.734
➢ Coursework: Algorithms and Complexity, Data Structures, Software Construction, Artificial Intelligence, Machine Learning, Data Management Systems, Networks, Operating Systems, Computer Architecture, Object-Oriented Programming, Programming Languages, Computational Linguistics, Computational Genomics, Functional Automata, 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 @ UCLA (Summer 2019)

TECHNICAL SKILLS

Natural Language Analysis, Full-Stack Web Development, Data Engineering, Game Development, Research
Languages/Frameworks: C++, C, C#, Python, Javascript/Node.js/Three.js, HTML, CSS, React.js, OCaml, Haskell, Java, Prolog, Scheme, Rust, R, Shiny, SQL, Spark SQL, MongoDB, Cypher
Software: Blender, Unity, Visual Studio, Firebase, Git/Github, LaTeX, Bash, Linux/Unix, Docker, Apache Spark

EXPERIENCE

Cloud Security Infrastructure Team - Netflix   June 2024 - Present
Intern

➢ Developing an internal tool with an API that enables Netflix developers to query and interface with AWS account functions, streamlining interactions between developers and AWS services.
➢ Utilized Python, Flask, DynamoDB, and various AWS cloud products. Responsible for unit testing and documentation.

Verifiable & Control-Theoretic Robotics Lab - UCLA   June 2023 - April 2024
ML Researcher

➢ Developed algorithms for Dr. Brett Lopez's VECTR lab, re-engineering autonomous A* navigation algorithm for drones equipping LiDAR sensory input, specifically creating Deep Learning models optimizing velocity polynomials.
➢ Ensured performance and scalability in complex, multi-agent environments by migrating Python to C++ codebase

Phonetics Lab, Department of Linguistics - UCLA   July 2023 - January 2024
Webmaster

➢ Refurbished legacy code and implemented reactive, accessible features, allowing ease of access to lab information and research by phonetics lab at UCLA.

Language Acquisition Lab - UCLA   April 2023 - August 2023
R Developer

➢ Developed for Dr. Megha Sundara's developmental phonetics lab, responsible for design, development, and deployment of a linguistic analysis application in R utilizing the Shiny library.
➢ Initiated usage of app as a research tool to parse and organize infant speech phonetics, allowing for data fetching based on phonological environment as well as data visualization and graphics.

UCLA IT Services   March 2022 - Present
IT Support Analyst

➢ Identified and assisted with technological issues with an emphasis on end-user satisfaction.
➢ Demonstrated customer service skills in a wide variety of network, account management, and cybersecurity issues.

PROJECTS (github.com/ayangelah)

Clairvoyant: Developed an ETL system to automatically extract Fitbit data and store it in a SQLite database, enabling efficient analysis of personal health metrics.

DoctorAMA: (*QWER Hacks Winner*) 24-hour hackathon developing full-stack website to help improve LGBTQ+ access to affirming, confidential healthcare. (*hellodoctorama.tech*)

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.

AWARDS

2024 QWER HACKS 3rd Place NonTraditional Winner - 36-hour team hackathon building a bias-training situation simulator with trained personal feedback using OLLaMa LLM, Unity, Python, Flask, Three.js, and Node.js. Third place in the NonTraditional track at QWERHacks and winner of Most QWER. (*https://devpost.com/software/prideal-world*)