

Christopher Chau

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EDUCATION

University of California, Santa Barbara

B.S. in Computer Science | GPA: 3.57

Santa Barbara, CA

Expected March 2026

Relevant Coursework: Data Structures and Algorithms, Object Oriented Design, Operating Systems, Database Systems, Advanced Applications Programming, Discrete Mathematics, Differential Equations

Awards/Certifications: Dean's Honor (Winter 23' - Winter 24'), Intermediate Web Development (CodePath)

TECHNICAL SKILLS

Languages: C++, C, C #, Java, Python, JavaScript, TypeScript, SQL, HTML/CSS

Libraries/Frameworks: React, Next.js, FastAPI, Node.js, Express.js, Spring Boot

Developer Tools: AWS (S3, Lambda), Git, Docker, PostgreSQL, MongoDB, Supabase

RELEVANT EXPERIENCE

Rocket Lab

Incoming Software Engineer Intern

Expected Sept 2025 – Dec 2025

Long Beach, CA

Southern California Edison

Software Engineer Trainee

September 2024 - September 2025

Alhambra, CA

- Built an automated compliance validation tool that cross-referenced software, port, and asset data across two servers, improving data accuracy and enhancing efficiency of compliance reviews by 50%
- Developed Python scripts to automate data validation and implemented a checkpoint system to ensure reliable data transfers between 2 servers, reducing recovery time during failures by 60%
- Launched a web application to calculate voltage drop and cable lengths from cable specifications, increasing engineering workflows and standardizing calculations across teams

Southern California Edison

Software Engineer Intern

June 2024 - September 2024

Alhambra, CA

- Created responsive user interfaces with React and TailwindCSS to streamline automation processes across teams in the department, reducing manual labor by an average of 40%
- Deployed a web application that automated outage reporting and visualized circuit health for 400+ telecom devices, reducing manual configuration time
- Led a team of 5 interns to produce a departmental showcase video by coordinating tasks, managing timelines, and driving collaboration to deliver a well-received presentation

PROJECTS

InterviewIQ | *React, Next.js, JavaScript, TailwindCSS, Supabase*

June 2025

- Built a full-stack mock interview platform using Next.js to simulate real-time interview scenarios with voice-based responses and AI-generated scoring out of 100
- Implemented serverless backend architecture with AWS Lambda and Bedrock to dynamically process and evaluate user input, reducing response latency and ensuring scalability
- Integrated Supabase to manage user sessions and secure storage of interview results, enabling users to review previous graded feedback across multiple sessions

Pathfinding Visualizer | *React, JavaScript, HTML/CSS*

December 2023

- Developed an interactive algorithm visualization tool showcasing 3 common search algorithms, enabling users to compare performance across 3 different speeds
- Enhanced user interactivity with dynamic obstacle/node placements and speed settings, giving users 100% control over pathfinding conditions and visualization flow

SpotifySyncYT Converter | *JavaScript, Node.js, Express.js*

August 2023

- Created a converter that processes Spotify playlists at 50 songs/min into YouTube playlists, leveraging Spotify and YouTube Data APIs
- Automated YouTube playlist creation and download, reducing manual transfer time by over 80% across 300+ tracks
- Implemented secure OAuth flow and RESTful architecture to support playlist syncing across different accounts