

JUSTIN JIANG

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EDUCATION

University of Southern California · USC Presidential Scholar

Los Angeles, CA, USA

Bachelor of Science, Computer Engineering and Computer Science | Minor: Business Finance

May 2028

- GPA: 3.87/4.00
- Relevant Coursework: Data Structures and Algorithms, Algorithm Analysis, Machine Learning, Professional C++, Object-Oriented Design, Software Engineering, Distributed Systems, Probability Theory, Trading and Exchanges

EXPERIENCE

Shopify

New York City, NY, USA

Incoming Software Engineering Intern

June 2026 – August 2026

- Will contribute to the Channel Platforms team, building infrastructure that powers Shopify's merchant presence across external sales channels and the broader commerce ecosystem

Hemut (YC X25)

Los Angeles, CA, USA

Software Engineering Intern

February 2026 – May 2026

- Implemented a redesigned freight marketplace quoting page interface using **Typescript**, streamlining an orderbook platform for shippers and carriers
- Developed CRM endpoints to retrieve customer information and refactored existing code to consume them, reducing redundant database queries; validated endpoint correctness against **AWS RDS (PostgreSQL)** instances using **DataGrip**

Deloitte

Los Angeles, CA, USA

Software Engineering Intern (Discovery I)

June 2025 – August 2025

- Improved upon nonprofit client's current workflow leveraging **Python** and **REST API integrations** to streamline user and donor data processing, reducing manual entry by **30%** and saving **\$500K per year**
- Evaluated software and cloud infrastructure of acquisition targets to advise on technology-driven acquisition strategy

Yale Astrophysics Research

New Haven, CT, USA

Research Software Engineer

June 2023 – October 2023

- Engineered a Python data processing pipeline (**NumPy, SciPy, Matplotlib, PyTorch, TensorFlow**) to gather, process, and visualize observations from **5 telescopes** across **7 epochs**, calibrate flux against **20 reference stars**, and create isochrone fittings and **Faster R-CNN-based** supernova classification within a research team of **4**
- Applied statistical modeling to supernova light curves, generating uncertainty heat maps and calculating a **394 ± 38 Megaparsecs** cosmological distance; co-authored a peer-reviewed publication: doi.org/10.1007/s10509-023-04250-x

PROJECTS

Valkyrie – Lavalab Sp26 Cohort Winner

Los Angeles, CA, USA

Co-founder / Developer

February 2026 – Present

- Won USC's Lavalab startup accelerator and **\$1,500** prize; currently working with the Ring team at Amazon to deploy Valkyrie on the Ring App Store
- Built a **React Native** equine health monitoring app backed by **Supabase**, integrating a **Qwen VLM** with a Ring camera feed to detect early signs of colic in horses and alert owners in real time

BREW – LA Hacks 2025 Winner

Los Angeles, CA, USA

Full Stack Developer

April 2025 – April 2025

- Generated a waitlist of over **100 sign-ups** by building an agentic, AI-powered outreach tool automating personalized cold outreach via email and messaging; won **1st Place** and **\$1.75K** among **200 hackathon teams**
- Implemented scalable full-stack architecture logic using **Clado API, Google Gemini LLM API, and Stagehand**

SKILLS AND AWARDS

Technical Skills: Python, Java, C++, SQL, JavaScript, AWS, TypeScript, Docker, Linux, REST APIs

Frameworks and Tools: React, Node.js, Git, Next.js, DataGrip, Supabase, PostgreSQL, Tailwind CSS, Jupyter Notebook

Awards: USC Presidential Scholarship, Viterbi Dean's List, AP Scholar with Distinction, LA Hacks 1st Place, HackSC 1st Place