JUSTIN JIANG

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EDUCATION

University of Southern California • USC Presidential Scholar | Dean's List All Semester — Los Angeles, CA, USA

Bachelor of Science, Computer Engineering and Computer Science | Minor: Business Finance — *Expected: May 2028*

- GPA: 3.90 / 4.00
- Relevant Coursework: Data Structures and Object Oriented Programming, Software Engineering, Discrete Methods, Linear Algebra, Probability Theory, Calculus I–III, Embedded Systems, Internet of Things, Tradings and Exchanges

PROJECTS AND WORK EXPERIENCE

Deloitte Discovery I Internship — Los Angeles, CA, USA

Tech Profile Intern — *June 2025 – August 2025*

- Analyzed tech stacks of M&A targets, assessing system architecture, scalability, and integration feasibility in a 10-person team
- Developed AI-driven workflow automation proposal for a nonprofit, with cost-saving projections and API integration plan
- Presented solutions to Deloitte managers and client executives, improving donor outreach and family support matching

BREW – LA Hacks 2025 Winner — Los Angeles, CA, USA

Full Stack Developer — *April 2025*

- Built an agentic software tool to fully automate sending cold outreach messages and emails. See our Demo
- Developed frontend and backend logic using Clado API, Google Gemini LLM API, and Stagehand

TempoRun – HackSC 2024 Winner — Los Angeles, CA, USA

Full Stack Developer — *November 2024*

- Built Swift-based frontend enabling users to input music preferences and pacing data for curated workout playlists
- Integrated Spotify API using Node.js, automating the addition of personalized playlists directly into users' libraries

Yale Astrophysics Research — New Haven, CT, USA

Student Researcher — *June 2023 – October 2023*

- Processed luminosity data with NumPy/Matplotlib, fitting 7 standard light curve models to classify SN 2023mnc as Type Iax
- Collected observational data covering phases -4 to +15 days, supporting progenitor modeling and nickel mass estimation
- Co-authored publication on supernovae classification findings in *Astrophysics and Space Sciences* peer-reviewed journal
- Research DOI: doi.org/10.1007/s10509-023-04250-x

USC Makers — Los Angeles, CA, USA

Embedded Software Engineer — *September 2024 – Present*

- Engineered a mechanical-powered pad that converts energy in foot traffic into storable electrical power (Fa24: Power Path)
- Built pool table showing predicted ball trajectories based on cue stick input (Sp25: ATE Ball)

Canadian Satellite Competition (CanSat) — Drumheller, Alberta, Canada

Engineering Lead / Team Manager — *December 2022 – March 2023*

- Engineered a soda-can-sized satellite capable of real-time air-to-ground atmospheric data transmission
- Integrated Arduino Nano with sensors and radio modules, collecting 126 data points across 6 variables to assess habitability

LEADERSHIP AND ACTIVITIES

Private Pilot License — Vancouver, BC, Canada

Private Pilot — *August 2023 – August 2024*

- Earned Private Pilot License in Cessna-172 with 87.9 flight hours; youngest finalist of COPA Neil Armstrong $14K scholarship

Pacific Sea Wolves Swim Club — Vancouver, BC, Canada

Provincial-Level Swimmer & Coach — *September 2015 – June 2024*

- Coached and mentored 30+ young swimmers, leading them to 3 new club records while competing provincially for 8 years

SKILLS AND AWARDS

Technical Skills: Python, C#, Java, C++, Swift, SQL, XCode, Fusion 360, Unity

Frameworks and Libraries: NumPy, Matplotlib, SvelteKit, MongoDB, NestJS, Node.js, Jupyter Notebook

Awards: Canadian Computing Contest Honor Roll, COPA Neil Armstrong Scholarship (2nd Place), AP Scholar with Distinction