JUSTIN JIANG

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EDUCATION

University of Southern California • USC Presidential Scholar | Dean's List All Semesters **Los Angeles, California, USA**

Bachelor of Science, Major: 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, II, III / Embedded Systems / Internet of Things / Tradings and Exchanges

PROJECTS AND WORK EXPERIENCE

Deloitte Discovery I Internship **Los Angeles, California, 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, California, USA**

Full Stack Developer *April 2025*

- Built an agentic software to help 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, California, 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, Connecticut, 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, California, 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 direction, location, and wind up of cue stick [Sp25: ATE Ball]

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

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

- Engineered a pop can sized satellite capable of air-to-ground atmospheric data transmission
- Soldered and Arduino Nano to a BMP 280 sensor, 3-axis accelerometer, radio antennas, and other components
- Obtained 126 live data points for 6 variables to determine the environment's habitability for human development

LEADERSHIP AND ACTIVITIES

Private Pilot License **Vancouver, British Columbia, 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, British Columbia, 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