**Yuntao Shan**

Santa Cruz, CA | +1 831 266 9098 | [shanytjohn@gmail.com](mailto:shanytjohn@gmail.com) | [LinkedIn](https://www.linkedin.com/in/yuntao-shan-computerscience/)

**Computer Science Student** with experience in data analysis and ETL & data processing with a strong command of Python and PostgreSQL for designing and implementing efficient data pipelines. Highly skilled in database management, development of data warehouses & key metric dashboards using PowerBI, and streamlining Incident Response (IR) processes.

**EDUCATION**

**University of California, Santa Cruz Santa Cruz, CA**

BS in Computer Science *(In Progress)* 2026

* Undergrad Dean's Scholarship
* Activities: Member of Slug Security Club, Member of Chinese Student Union

**PROFESSIONAL EXPERIENCE**

**University of California, Santa Cruz** **Santa Cruz, CA**

Mentor - Mentorship Program September 2023 – Present

* Provide competent guidance and mentorship to a group of 3 students, offering academic and personal support during their university tenure.
* Assume responsibility for the overall well-being and academic advancement of 5 mentees, facilitating access to necessary resources and support to enhance their educational success.

**Hengyue International Course Center** **Suzhou, China**

Intern July 2022 – September 2022

* Conducted problem analysis and collaborated with 10+ teams to devise effective solutions.
* Implemented efficient sorting and organization methods for files, spreadsheets, and reports, increasing efficiency by 30%.
* Facilitated student engagement to encourage active participation and maintained open communication to establish a collaborative learning environment.
* Provided customer support via phone, email, and in-person, ensuring prompt and informative assistance.

**Hangzhou Innovation Institute, Beihang University** **Hangzhou, China**

Lab Researcher, Lab Assistant July 2021 – August 2022

* Collaborated with a team of 20 individuals, including 2 professors from Beihang University and Master's degree holders, to leverage machine learning for the recognition of road debris by unmanned vehicles.
* Dedicated a minimum of 8 hours per day to the RoboMaster robotic and unmanned aerial vehicle engineering program, specializing in trash recognition.
* Integrated Linux and Raspberry Pi as external systems to enhance the capabilities of Dji's closed system, surpassing limitations.
* Utilized Python to design software facilitating communication between 35 robots and unmanned aerial vehicles.

**Offline Simulation Business Competition - Suzhou Area (FE - Future Entrepreneur System)** **Suzhou, China**

Founder September 2020

* Organized and led an economic competition, fostering a practical understanding of economics and business concepts.
* Managed all aspects of event logistics, including coordination with 100+ stakeholders, to create a competitive and educational environment for participants.
* Developed organizational, networking, and real-world application skills in economics, aligning with the business-focused objectives of the Launch@Apple program.

**RESEARCH EXPERIENCE**

**Introduction and Theory Online Project-based Learning Program** **Suzhou, China**

Summer Research Program - Machine Learning and Data Science 2021

* Worked with an MIT professor on engaging in this course and also published a paper by IPO.

**LEADERSHIP/EXTRACURRICULAR EXPERIENCE**

**Tarzen Academy Organization** **Suzhou, China**

Founder August10 2021- Present

**Basketball Team** **Suzhou, China**

Captain September 2019 – June 2022

**SKILLS AND INTERESTS**

**Technical Skills**: Microsoft Office, Google Workspace, Python, Java, C, CSS, HTML, Linux

**Honors/Awards:** Honorable Mention in The High School Mathematical Contest in Modeling (HiMCM) - Top 30% (2019), National Championship and MVP in CSAA Basketball League, Championship and MVP Rewards in AITE Institute Basketball Competition, “Best Athlete” Certificate in Suzhou

**Certifications/Courses:** China National Non-Professional Performance Certificate (Level 9 Piano)

**Interests:** Piano (Level 9), Orchestra Member (Tuba), Basketball (China National championship in CSAA - Captain for 6 Years in Middle School & High school)

**Languages:** Mandarin (Native), English (Fluent), German (Novice)