

Sawyer Jones

sjones3731@sdsu.edu | <https://github.com/sawyerjones> | <https://www.linkedin.com/in/sawyer-jones-77a62b25a/>

Education

San Diego State University – BS in Computer Science, minor in Mathematics	Expected May 2026
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Experience

Research Assistant , Computer Science Lab	May 2024 – Present
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- Developed a mobile healthcare application using React Native & Node.js, working with medical professionals to design data collection workflows for Raynaud's Syndrome patients
- Assisted with designing hardware to take a temperature scan of a patient's hand using C & JavaScript to connect the hardware to the application
- Currently maintain two distinct application deployments serving different clinical research cohorts
- Designed and maintained user flow diagrams and system architecture documentation ensuring clear project roadmaps and enabling efficient onboarding of new team members

Instructional Student Assistant , CS 496, CS 480, CS420	Dec 2024 – Present
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- Used Bash & Python to maintain & optimize an autograder for student projects
- Held 3 hours of weekly office hours to provide students with C & C++ programming support
- Collaborated with the instructor & other ISAs to optimize course material & student experience

Peer Mentor , College of Sciences Student Success Center	Aug 2023 – May 2024
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- Provided guidance & support to fellow students in various academic matters, including course selection, major/minor exploration, & study strategies
- Collaborated with other peer advisors & advising staff to plan & execute events, programs, & initiatives

Program Assistant , Stanford Graduate School of Business	May 2023 – Aug 2023
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- Orchestrated a high-quality experience for over 200 C-suite executives throughout a 6-week development program
- Contributed to the success of the learning environment by attending lectures & offering instructional support

Projects

Pi-Cloud	https://github.com/sawyerjones/pi-cloud
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- Used Python's FastAPI and React to create a full-stack file management system with secure file operations, user authentication, and cross-device compatibility
- Deployed onto a Raspberry Pi with SSL/HTTPS configurations to enable personal cloud storage at any time

AI Spam Email Filter	https://github.com/sawyerjones/Spam-Message-Detection
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- Led a student group that used artificial intelligence to develop software to detect & flag spam emails

Awards

- Honorable Mention, Outstanding Undergraduate Researcher Computing Research Association
- Student Travel Grant Winner, IEEE International Conference on E-Health Networking, Application & Services 2025
- Best Paper Honorable Mention, Computer Science Conference for CSU Undergraduates

Publications

Jones S, Bradshaw A, Tskhadadze R, Shen B, Ren S. "A Customizable, Real-time Mobile Health Application for Raynaud's Syndrome and Beyond" *IEEE International Conference on E-health Networking, Application & Services*. Abu Dhabi, UAE, 2025. doi: 10.1109/HealthCom60686.2025.11343427

Jones S, Shen B, Ren, S. "Experimental Study into Understanding Hand Temperature Distributions" *Computer Science Conference for CSU Undergraduates*. 2025.

Skills

JavaScript, Python, C, C++, Java, Bash, Lua, Git, React-Native, npm, Docker