

# 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

## Experience

**Research Assistant**, Computer Science Lab

May 2024 – Present

- 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

- 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

- 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

- 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>

- 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>

- 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