Sawyer Jones

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Education

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

Experience

Instructional Student Assistant, CS 480, CS420 | Dec 2024 – Present
- Used Bash & Python to maintain & optimize an autograder for student projects
- Held weekly office hours to provide students with C & C++ programming support
- Collaborated with the instructor & other ISAs to optimize course material & student 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
- Designed and maintained user flow diagrams and system architecture documentation ensuring clear project roadmaps and enabling efficient onboarding of new team members

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 professional & leadership development summer program
- Contributed to the success of the learning environment by attending lectures & offering instructional support

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 pending.

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

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

- Nominated for Computing Research Association's Outstanding Undergraduate Researcher Award
- Received an Honorable Mention for Best Paper at the Computer Science Conference for CSU Undergraduates

Skills

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