

# Sawyer Jones

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## Education

<b>San Diego State University</b> – BS in Computer Science, minor in Mathematics	Expected May 2026
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## Experience

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

<b>Research Assistant</b> , 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
- Designed and maintained user flow diagrams and system architecture documentation ensuring clear project roadmaps and enabling efficient onboarding of new team members

<b>Peer Mentor</b> , 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

<b>Program Assistant</b> , 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 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. Forthcoming 2025.

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

## Projects

<b>Pi-Cloud</b>	<a href="https://github.com/sawyerjones/pi-cloud">https://github.com/sawyerjones/pi-cloud</a>
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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

<b>AI Spam Email Filter</b>	<a href="https://github.com/sawyerjones/Spam-Message-Detection">https://github.com/sawyerjones/Spam-Message-Detection</a>
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- 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