# 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 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

**Research Assistant,** Computer Science Lab                                              May 2024 – Present
- Developed a mobile healthcare application using React & 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
- Published a paper based on our research as lead author & presented at an international conference

**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

## 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

**View Programming Language**                         https://github.com/sawyerjones/View
- Designed and implemented domain-specific language for graphics programming using Python and TextX grammar framework

**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

## Skills

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