

# William J. Scott

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## Education

Bachelor of Science, Computer Science  
California State University, Sacramento, CA, Expected December 2025  
GPA: 3.8, Dean's Honor List, Member of ACM (Association of Computing Machinery)

## Coursework

Data Structures & Algorithm Design, Object-Oriented Programming Java I & II, Software Engineering Principles, Computability & Formal Language, Database Management Systems, Computer Networking, 3D Graphics & Shader Programming, Statistics for Engineers, Linear Algebra, Web Programming, Digital Design & Computer Architecture

## Technical Skills

Java, JavaScript, React, TypeScript, Python, C/C++, GitHub, Git, SQL, Postgres, Assembly, React Native, Bash, PowerShell, WSL, Docker, Node.js, OpenGL, PyTorch, VS Code, IntelliJ, Vite, Expo, TailwindCSS, Supabase, Jira, Windows, Mac OS, UNIX/Linux, AWS, Azure, Google Cloud, Code review, Restful API

## Projects

### AI Skin Cancer Image Classifier | Front End Lead | [wsc0tt.github.io/SunArmorAi](https://wsc0tt.github.io/SunArmorAi)

- Led frontend development for an AI-powered skin cancer detection web application that analyzes user-uploaded images and identifies skin lesions as malignant or benign
- Responsive React+Vite interface with client-side image processing to simplify software architecture
- Implemented custom React image uploader component with real-time error validation and preprocessing to ensure compatibility with AI image-classification model
- Converted HuggingFace/PyTorch model to ONNX format and refactored Python code to work Javascript
- Delivered working prototype in 1 week with a team of 5 students

### Union Job Board Web Application | Senior Project - *In Development*

- Directing a team of 9 engineers utilizing Agile/Scrum methodology to develop a full-stack maritime employment application for members of the Marine Engineers Beneficial Association (MEBA)
- Defining comprehensive user stories, prioritizing features, and creating detailed technical specifications with Jira
- Orchestrating weekly client meetings with product manager and stakeholders to showcase progress, gather feedback, and adapt to evolving requirements
- Establishing Git/GitHub workflow protocols including mandatory code reviews and branch management standards to ensure code quality and proper version control
- Architected tech stack including React frontend, Spring/Java backend, and Supabase to manage Postgres database.

## Work Experience

### Syblon Reid - Folsom, CA

Laborer Foreman (July 2013 - November 2022)

- Contributed to over 30 hydroelectric/civil projects as a subcontractor for high-profile utilities companies such as PGE, SMUD, and Edison
- Responsible for daily safety reports, schedules, time cards, and meetings with the on-site labor crew.
- Extensive training and certifications in safety, rescue, and heavy equipment
- Consistently delivered projects ahead of schedule and under budget while maintaining an excellent safety record