

# Dylan Savage

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## EDUCATION

**Santa Clara University** | Santa Clara, CA  
Bachelor of Science, Computer Science

March 2026  
**GPA – 3.62**

## PROFESSIONAL EXPERIENCE

**Groopit** – Software Engineer Intern

June 2024 – August 2024 | Seattle, WA

- Engineered an automated data ingestion system in Python, leveraging web scraping and API integration to replace manual data collection.
- Developed a Python-based data modeling system that structured external data for Groopit's AI tool, enabling real-time visualization and insights for client-facing sales demos.
- Implemented an OAuth-secured application to authenticate and authorize Groopit's data collection pipeline, ensuring secure API interactions without compromising system integrity.

**Incident Aid** – Software Engineer Research Assistant

September 2023 – December 2023 | Santa Clara, CA

- Led development of an Android application leveraging Kotlin and Android Studio; designed features focused on enhancing efficiency and safety for first responders.
- Collaborated to utilize Firebase for back-end functionality and real-time data sharing.

## PROJECTS

**AI Therapist Chatbot** | Full Stack

- Built a therapist chatbot by fine-tuning Meta's Llama 3 with sentiment analysis. Implemented front-end with React.js and Flask for API integration

**Neural Network Flappy Bird Q-Learning** | Back-End

- Created a reinforcement learning neural network for an agent to autonomously learn Flappy Bird with Python

**MLB Win Predictor – Machine Learning Project** | Back-End

- Used historical data to train models using feature engineering, K-Means Clustering, and Random Forest

**Plant Portal – Web application** | Full-Stack

- Implemented authentication, API endpoints, and database models for an AI-powered web app using Node.js, Express, and MongoDB; developed the front end using Three.js for interactive visuals.

**Safe Park SF – Web Application** | Full Stack

- Developed Front-end components by integrating Google Maps and Places API, and managed data handling through a Flask API connection

**UCCE Data Collection System** | Back-end

- Developed a GCP-integrated data collection system using Python and gspread, managing service account authentication and secure API key access

## SKILLS

**Languages:** Python, HTML/CSS, JavaScript, Java, SQL, C++, C,

**Frameworks:** React.js, Node.js, Three.js, Azure, Google Firebase, AWS, MongoDB

**Tools:** Adobe Creative Suite, Microsoft 365, Figma, Git, GitHub

**Soft Skills:** Leadership, Product Management, Public Speaking, Technical Documentation

## ACTIVITIES & AWARDS

Member of Sigma Pi Zeta Eta Chapter

Association for Comp. Machinery

SCU Bronco Scholarship