

Sam Bock

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EDUCATION

- **California Polytechnic State University, San Luis Obispo** San Luis Obispo, CA
Bachelor of Science in Computer Science; GPA: 3.78 *Sept. 2021 – June. 2025*
Relevant Coursework: Database Systems, Algorithms, Programming Languages, Computer Security, Systems Programming, Software Engineering

EXPERIENCE

- **Lockheed Martin Space** Sunnyvale, CA
Artificial Intelligence and Machine Learning Research Intern *June 2023 – Present*
 - **Object Detection and Computer Vision:** Worked extensively with object detection and computer vision models to detect anomalies in assigned projects.
 - **Model Performance Optimization :** Improved the performance of the object detection models by augmenting data, reducing visibility of objects, and adjusting model parameters.
 - **Technologies Used:** Python, JupyterNotebook, TensorFlow, Keras, Scikit-Learn, OpenCV
- **HaptX Inc.** San Luis Obispo, CA
IT Engineering Intern *Mar 2023 – June 2023*
 - **Conditional Access Policy Creation:** Implemented advanced Microsoft Azure Conditional Access policies to enforce granular security controls based on user location, IP address, reputation score, and other risk indicators.
 - **Hardware Management and Workspace Optimization:** Repaired, upgraded, and tested company computers and hardware. Assisted in setting up and organizing desks, managing cables, and configuring workspaces.
 - **Technologies Used:** Microsoft Azure, Microsoft Intune
- **Cal Poly Information Technology Services** San Luis Obispo, CA
Junior Security Operations Center Analyst *June 2022 – Feb 2023*
 - **Security Incident Response:** Analyze and take action against suspicious logins, phishing emails, and network traffic using Splunk, Microsoft Azure, and other security tools.
 - **Slack App Development:** Developed a Python-based Slack app to automate email, suppression, and blocking procedures.
 - **Technologies Used:** Splunk, Python, Slack API, Linux

PROJECTS

- **Plan2Gather:** Developed web app that allows users to create events and analyzes best times to meet based on attendees.
- **Portfolio Website:** Built a portfolio website using JavaScript and HTML/CSS to showcase my projects and skills.
- **Qwil Messenger Sign Up Page:** Built a sign up page for Proactive BLG using Astro, TypeScript, and React. API integration with Qwil Messenger.
- **HomeLab:** Building a home server to access movie streaming server, NAS server, remote access to local devices, and self-hosted applications.
- **Custom PC Builder and Trader:** Maintained PostgreSQL database of computer parts and integrated with Python fastAPI backend to allow for selling and purchasing of parts.

CAMPUS INVOLVEMENT AND VOLUNTEER WORK

- **SLO Hillel, President** *Sept 2021 – Present*
- **Cal Poly Baseball Data Analyst, Member** *Sept 2021 – June 2023*
- **Youth Leaders of Meniffee, President** *Aug 2019 – June 2021*

PROGRAMMING SKILLS

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

Technologies: TensorFlow, PyTorch, Scikit-Learn, Linux, MacOS, Windows, Microsoft Azure, CloudFlare, GitHub, Amazon AWS, Agile, Astro