

# Sam Bock

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## EDUCATION

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- **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

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- **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

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- **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

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- **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

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**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