

# 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: 3.76* *Sept. 2021 – June. 2025*  
**Relevant Coursework:** Intro to Database Systems, Design and Analysis of Algorithms, Project-Based Object Oriented Programming and Design, Systems Programming, Discrete Structures, Intro to Software Engineering, Intro to Computer Organization, Data Structures, Intro to Computing: Security, Fundamentals of Computer Science

## EXPERIENCE

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- **Lockheed Martin Space** Sunnyvale, CA  
*Artificial Intelligence and Machine Learning Research Intern* *June 2023 – Present*
  - **Convolutional Neural Networks** : Utilized convolutional neural networks and employed various model training strategies, including data augmentation techniques, to enhance the performance of object recognition, detection, and tracking tasks. Computer vision, deep learning,
  - **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. Hosted on CloudFlare Pages.
- **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.
- **Wash Alerter (Hackathon):** Built a Python program that scraps data off of Cal Poly's laundry website and alerts users when washers and dryers are available.

## CAMPUS INVOLVEMENT AND VOLUNTEER WORK

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- **Cal Poly Security Club, Member** *Dec 2022 – Present*
- **Computer Engineering Society, Member** *Sept 2021 – Present*
- **SLO Hillel, President** *Sept 2021 – Present*
- **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, Splunk