Sam Bock

sam@sambock.dev | 909-609-9291 | sambock.dev | linkedin.com/in/smbock42 | github.com/smbock42

EDUCATION

California Polytechnic State University, San Luis Obispo — San Luis Obispo, GA
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

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.
- **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. 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

- **Cal Poly Security Club**, Member — 12/2022 - Present
- **Computer Engineering Society**, Member — 9/2021 - Present
- **SLO Hillel**, President — 9/2021 - Present
- **Youth Leaders of Menifee**, President — 8/2019 - 6/2021

PROGRAMMING SKILLS

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

Technologies: TensorFlow, Keras, Scikit-Learn, Linux, MacOS, Windows, Microsoft Azure, CloudFlare, GitHub, Amazon AWS, Agile, Jira, Splunk