Sam Bock

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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: Project-Based Object Oriented Programming and Design, Discrete Structures, Intro to Software Engineering, Systems Programming, Intro to Computer Organization, Data Structures, Design and Analysis of Algorithms, Intro to Database Systems

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*

- **Azure Conditional Access**: Implemented advanced Azure Conditional Access policies to enforce granular security controls based on user location, IP address, reputation score, and other risk indicators.
- **Technologies Used**: Microsoft Azure, Microsoft Intune

Cal Poly Information Technology Services — San Luis Obispo, CA
Junior Security Operations Center Analyst — *June 2022 - Feb 2023*

- **Slack Bot**: Service for sending email, push and in-app notifications. Involved in features such as delivery time optimization, tracking, queuing and A/B testing. Built an internal app to run batch campaigns for marketing etc.

PROJECTS

- **Plan2Gather**: Developed web app that allows users to create events and analyzes best times to meet based on attendees.
- **Shibboleth Login Alerts Automation**: Developed a Python-based Slack app to automate email, suppression, and blocking procedures for Cal Poly Security Operations Center. More information here.

PROGRAMMING SKILLS

- **Languages**: Python, SQL, Java, C++, C

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