

Sam Bock

<https://www.sambock.tech>

Email : sam@sambock.tech

Mobile : 909-609-9291

EDUCATION

- **California Polytechnic State University, San Luis Obispo** San Luis Obispo, CA
Bachelor of Science in Computer Science; GPA: 3.76 *Sept. 2021 – June. 2025*

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, TensorFlow, Keras, Scikit-Learn
- **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.
 - **Nostos**: Bulk data processing and injection service from Hadoop to Cassandra and provides a thin REST layer on top for serving offline computed data online.
- **Cal Poly Information Technology Services** San Luis Obispo, CA
Junior Security Operations Center Analyst *June 2022 - Feb 2023*
 - **Notifications**: 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.
 - **Nostos**: Bulk data processing and injection service from Hadoop to Cassandra and provides a thin REST layer on top for serving offline computed data online.

PROJECTS

- **Plan2Gather**: Open source python library for financial data analysis and machine learning for finance.
- **Shibboleth Login Alerts Automation**: Data Visualization of Git Log data using D3 to analyze project trends over time.
- **Custom PC Builder and Trader**: Music and Movie recommender systems using collaborative filtering on public datasets.

PROGRAMMING SKILLS

- **Languages**: Python, SQL, Java, C++, C
- **Technologies**: TensorFlow, Keras, Scikit-Learn, Linux, Azure, Jira, GitHub, Slack Bolt API, Splunk