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*

EXPERIENCE

- **Lockheed Martin Space** — Sunnyvale, CA
  Artificial Intelligence and Machine Learning Research Intern — *June 2023 - Present*
  - **Tensorflow**: TensorFlow is an open source software library for numerical computation using data flow graphs; primarily used for training deep learning models.
  - **Apache Beam**: Apache Beam is a unified model for defining both batch and streaming data-parallel processing pipelines, as well as a set of language-specific SDKs for constructing pipelines and runners.

- **HaptX Inc.** — San Luis Obispo, CA
  IT Engineering Intern — *Mar 2023 - June 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.

- **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