

Sam Bock

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EDUCATION

- **California Polytechnic State University, San Luis Obispo** San Luis Obispo, CA
Bachelor of Science in Computer Science; GPA: 3.7 *Sept. 2021 – June. 2025*
Relevant Coursework: Database Systems, Data Science, Algorithms, Programming Languages, Computer Security, Systems Programming, Software Engineering, Operating Systems

EXPERIENCE

- **Software Engineering Intern** Sunnyvale, CA
Lockheed Martin Space *June 2024 – Present*
 - **Full Stack Development:** Developed a web application for managing project reviews, enabling stakeholders to create, assign, and track reviews in real-time.
 - **Project Management:** Managed end-to-end project lifecycle, including approvals process and setting up development environments.
 - **Technologies Used:** Next.js, TypeScript, Prisma, Supabase, Tailwind CSS
- **AI/ML Research Intern** Sunnyvale, CA
Lockheed Martin Space *June 2023 – Oct 2023*
 - **Object Detection and Computer Vision:** Developed models for detecting anomalies in satellite data.
 - **Model Optimization:** Enhanced model performance by fine-tuning parameters and implementing data augmentation strategies.
 - **Technologies Used:** Python, TensorFlow, Keras, OpenCV, Jupyter Notebooks
- **IT Engineering Intern** San Luis Obispo, CA
HaptX Inc. *Mar 2023 – June 2023*
 - **Conditional Access Policies:** Hardened existing conditional access policies to enhance security based on user risk factors.
 - **Hardware Management:** Repaired, upgraded, and optimized company workspaces and hardware.
 - **Technologies Used:** Microsoft Azure, Microsoft Intune
- **Junior Security Operations Center Analyst** San Luis Obispo, CA
Cal Poly Information Technology Services *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.
 - **Analyst Action Automator:** Developed a tool to automate incident response tasks, reducing total execution time by 80%
 - **Technologies Used:** Splunk, Python, Slack API, Linux, Splunk Soar Playgrounds

PROJECTS

- **Plan2Gather:** Developed web app that allows users to create events and analyzes best times to meet based on a group of inputs. Built using Vite, Nx, Cloudflare KV. Website: plan2gather.net
- **Portfolio Website:** Built a portfolio website using Next.js, TypeScript, and Tailwind CSS. Website: sambock.dev
- **HomeLab:** Configured a home server using Plex, Bitwarden, WireGuard, and Grafana with Docker.
- **Custom PC Builder and Trader:** Developed a web app using PostgreSQL and Python fastAPI for building and trading PCs and PC parts. Github: <https://github.com/AdamDelRio/Custom-PC-Builder-and-Trader>

CAMPUS INVOLVEMENT AND VOLUNTEER WORK

- **SLO Hillel, President** *Apr 2023 – Mar 2024 (President), Sept 2021 – Present (Member)*
- **Cal Poly Baseball Data Analyst, Member** *Sept 2021 – June 2023*

SKILLS

Languages: Python, SQL, TypeScript, Tailwind CSS, Java, C, C++

Technologies: Git, Linux, Next.js, React.js, Node.js, Microsoft Azure, Docker, Supabase, Jira, Splunk

Certifications: Splunk Core Certified User