

# Sam Bock

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## SUMMARY

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Software engineer with hands-on experience in full-stack development, AI/ML research, and IT security automation. Passionate about building scalable applications, optimizing workflows, and solving real-world problems with cutting-edge technology. Proficient in cloud platforms, security automation, and database-driven applications, with a track record of delivering impactful results.

## EDUCATION

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- **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:** Deep Learning, Mobile App Development, Distributed Computing, Database Systems, Data Science, Algorithms, Computer Security, Software Engineering

## EXPERIENCE

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- **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

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- **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](https://plan2gather.net)
- **Portfolio Website:** Built a portfolio website using Next.js, TypeScript, and Tailwind CSS. Website: [sambock.dev](https://sambock.dev)
- **HomeLab:** Configured a home server using Cloudflare Zero Trust hosting a suite of applications.
- **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>

## SKILLS

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

**Skills:** Git, Linux, Next.js, React.js, Node.js, Microsoft Azure, Docker, Supabase, Jira, Splunk, Testing and Debugging, Agile Development, Scrum Methodology