

Nicolo DiFerdinando

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EDUCATION

- **California Polytechnic State University, San Luis Obispo** San Luis Obispo, CA
Bachelor of Science in Industrial Engineering Sept. 2021 – June. 2026
Relevant Coursework: Data Science, Data Analytics, Data Management and System Design, Operations Research, Design and Manufacturing, Statistics for Engineering, Machine Learning
Engineering Test Design and Analysis: Curated optimization strategies for workflow and deployment
Certifications: CompTIA Security+, Splunk Core Certified User

EXPERIENCE

- **Cal Poly San Luis Obispo** San Luis Obispo, CA
Assistant Student SOC Analyst 2024-Current
 - **Cybersecurity Response:** Analyze and respond to suspicious logins, phishing emails, and network traffic using Splunk Enterprise to mitigate threats.
 - **Python-based Slack Automation:** Created a Python-based Slack application to automate tasks such as email confirmation, suppression, and blocking procedures.
 - **Splunk Soar Integration:** Integrated Splunk Soar Playgrounds, SSH commands to block and suppress users, and Slack Bolt APIs to get button and modal interactivity.
- **loanDepot** Irvine, California
Cyber Security Intern 2022
 - **Cyber Threat Intelligence:** Aided in the Cyber Intelligence team's threat prioritization based on incoming threat intelligence (actor-based and behavior/tactic-based).
 - **Incident Investigations:** Assisted members of Cyber Operations teams (SOC and CIRT) in incident investigations, requiring intelligence assistance.
 - **Security Compliance Audits:** Performed compliance audits against institutionally accepted security controls.
- **Kappa Sigma - Cal Poly San Luis Obispo** San Luis Obispo, CA
President - Risk Manager 2021 – 2024
 - **Leadership and Management:** Worked in coordinating an executive committee to head and direct community service, fundraising, and philanthropy events.
 - **Event Planning and Coordination:** Lead and facilitate all chapter executive meetings, and chapter meetings, attend national events, and coordination with other fraternities on campus.
 - **Financial Oversight:** Collaborated with the treasurer to manage the chapter's budget.

PROJECTS

- **IP Blocklist Automation:** Created an automation playbook that streamlines the process of managing a block list from a 3rd party service using Splunk and Splunk SOAR.
- **HomeLab:** Configured a home server using Plex, Bitwarden, WireGuard, and Grafana with Docker.
- **Card Trading Business Database Design with MySQL:** Collaborated on designing and implementing a database system for 'Select & Collect Cards,' a chain of trading card game stores, focusing on inventory, sales, and customer data management to streamline operations and enhance traceability.
- **Portfolio Website:** Built a personal website using JavaScript, HTML and CSS.

CAMPUS INVOLVEMENT AND VOLUNTEER WORK

- **Kappa Sigma, President** Dec 2022 – Mar 2023 (President), Sept 2021 – Present (Risk Manager)
- **Cal Poly Club Baseball Team, Player** Sept 2023 – Current
- **Bandit-LLC, Part Owner** Oct 2024 – Current

SKILLS

Languages: Python, SQL, Java, TypeScript, Splunk Soar Environment

Skills: Next.js, Node.js, Docker, Supabase, Six Sigma, LEAN Manufacturing, Splunk, Excel, Linux, git, Slack, SOLIDWORKS, Minitab, Jira