NOA KEHLE

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EDUCATION

California Polytechnic State University (Cal Poly), San Luis Obispo
Bachelor of Science Degree in Computer Science   June 2025
GPA: 3.68 – Dean's List Honors

Relevant Coursework: Binary Exploitation, Machine Learning Security, Intro to Privacy, Systems Programming, Computer Organization, Computer Architecture, Design and Analysis of Algorithms, Data Structures, Object-Oriented Programming and Design, Programming Languages, Database Systems, Operating Systems, Computer Networks

SKILLS

Security Tools: Splunk, Splunk SOAR, Microsoft Defender, Linux OS, AWS Cloud, Wireshark
Programming: Python, C, Java, SQL, Assembly, Bash/Shell Scripting, JS, Racket, HTML, CSS
Other Tools: Git, GitHub, Bitbucket, VSCode, Jira, Confluence

WORK EXPERIENCE

Security Operations Center Analyst – Cal Poly ITS, CA   2023 – Present
- Member of Cal Poly IT staff responsible for identifying and responding to security threats
- Monitor logins for 25,000+ students and staff and identify compromised accounts via Splunk
- Develop Python scripts to decrease incident response time for malicious activity
- Respond to phishing emails and create search deletions to promptly block phishing campaigns
- Implemented risk-based alerting for AWS cloud, Windows devices, and suspicious IP login activity

Aquatics Program Supervisor – City of Kirkland, WA   2022 – 2023
- Managed staff of 80 lifeguards responsible for 3 city beaches and 1 public pool

Senior Lifeguard / Lifeguard – City of Kirkland, WA   2018 – 2022

PROJECTS

Automated Security Alert Bot
Languages and Tools: Python, Splunk & SOAR
- Implemented a Slack bot program to alert on security events from endpoint devices and AWS cloud services
- Utilized Splunk API calls to interact with the bot for real-time security alerts
- Designed the system to filter and adjust the action taken according to different events

Enhanced Internet of Vehicles (IoV) Intrusion Detection System (IDS)
Languages and Tools: Python, XGBoost, CatBoost, LightGBM, AdaBoost
- Optimized an existing ensemble-based IDS for automobiles, improving the flexibility and detection accuracy
- Expanded results, achieving 97%+ accuracy for DoS and Fuzzing attacks
- Added AdaBoost to ensemble, improving Fabrication attack detection by 3%

"Pickup" Local Sports Game Finder App
Languages and Tools: JS, React, Express, Node.js
- Created a React web-app designed for athletes to participate in local pickup sports across the city
- Developed the frontend using JS and implemented API calls to interact with Atlas database
- Implemented authentication and secure logins using JSON Web Tokens (JWT)

EXTRACURRICULARS

Cal Poly Security Education Club   2023 – Present
- Compete in CTF (Capture the Flag) challenges and participate in weekly workshops and meetings

Computer Science and Artificial Intelligence Club   2022 – 2023
- Participate in bi-weekly project collaborations and weekly workshops

Athletes for Kids   2019 – 2021
- Mentor to younger students

AWARDS

Gloria Heier Outstanding Citizenship Award   2021
- Selected by teachers and peers and awarded every year to a single student at Juanita High School recognizing respect for others, integrity, and honesty