SEDAT ALTUN

650-963-6972 • altunsedat63@gmail.com • [LinkedIn](#)

Cybersecurity and Software Programming Intern

Space Force Officer Select. 2+ years of experience in cybersecurity, web development, and project management, specializing in threat detection, risk assessment, and network security.

Technical Proficiencies

Programming Languages: Python, Java, C++, SQL, JavaScript
Version Control: Git, GitHub
Security Tools: Wireshark, Nmap, Ghidra, Metasploit, Splunk
Virtualization: VMware, VirtualBox
Operating Systems: Windows, Linux (Ubuntu, Kali), macOS
Networking Protocols: IPSec, VPNs, TLS, SSL, SNMPv3, SMTP, SSH

Experience

You-Think (Web Development) — Intern
November 2020 – February 2021

- Developed a professional website using CSS, HTML, JavaScript, React, and NoSQL databases.
- Enhanced user experience by implementing optimized search functions and improved page transitions.
- Contributed to full-stack development projects focusing on front-end and back-end integration.

Air Force Institute of Technology (ICE Program) — Cybersecurity Intern
July 2024 – August 2024

- Participated in an intensive cybersecurity program focused on digital forensics, networking, industrial control systems, cryptography, cyber attack/network defense, firmware analysis, and software reverse engineering.
- Utilized industry-standard tools such as Starkiller, Empire, BinaryNinja, Ghidra, and Metasploit for hands-on labs and real-world simulations.
- Applied theoretical knowledge through practical exercises, culminating in a competitive Hackfest where complex cyber scenarios were tackled.
- Collaborated in dynamic environments, enhancing teamwork, problem-solving, and technical skills in various cybersecurity domains.

Education

2023-   **Bachelors of Science**, Computer Science, Double Minor in IT Management and Data Science, California State University, East Bay (Expected Graduation: May 2026).
- Relevant Courses: Analysis of Algorithms, Security and Info Assurance, Data Structures and Algorithm(C++), Programming Language Concepts.

2022-22 **Bachelor of Science Credits**, Computer Science, De Anza College.
- Relevant Courses: Data Structures(Python), Java Programming.

Projects

Raspberry Pi Hacking Tool
January 2024 – Present

- Engaged in cybersecurity penetration testing using Raspberry Pi.
- Explored its application in network security breaches and developed preventative measures against potential vulnerabilities.
- Extended project scope by incorporating the Raspberry Pi as an application tester within Android Studio, analyzing its effectiveness against network defenses.

TRON AI Assistant Project
April 2024 – Present

- Developing an AI-driven personal assistant using **Rasa** to handle natural language understanding (NLU) and conversation management.
- Implemented functionalities to answer basic user queries such as **current weather**, **local time**, and **geolocation** by integrating the **OpenWeather API** and other tools.
- Troubleshooting intent classification issues where the assistant responds with the same answer for different queries.
- Working with Python to improve **dialogue management** and **API integration**, ensuring accurate responses to various user inputs.
- Focused on refining **NLP models** for better recognition of user intents and providing relevant, dynamic answers based on context.