

Gal Cesana

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Objective

Security-focused computer science student with experience in Python, data analysis, and web development. Seeking a Security Research internship to leverage my skills in analyzing web vulnerabilities, threat intelligence, and security infrastructure development within F5's Security Threat Research team.

Education

The Hebrew University of Jerusalem

B.Sc. in Computer Science (Third Year Student)

Expected Graduation: 2026

Relevant Coursework

Algorithms, Data Structures, Operating Systems, Databases, Object-Oriented Programming (OOP), Network Systems, Software Engineering, Introduction to Natural Language Processing, Machine Learning Methods, Introduction to Machine Learning.

Technical Skills

Programming Languages: Python, C, C++, PostgreSQL, Java

Web and Security Fundamentals: Knowledge of HTTP protocol, web servers, web applications, and security principles

API and Integration: Experience with public APIs and data handling

Machine Learning and Data Analysis Libraries: TensorFlow, PyTorch, Pandas, NumPy

Web Development Tools: HTML, Flask, API Integration

Other Tools: Git, Linux, Regular Expressions, Data Annotation Tools (developed in Python)

Professional Experience

Data Annotator

SAIPS (A Ford Motor Company Subsidiary), Tel Aviv

Dec 2021 – Oct 2022

- Collaborated with developers to create and utilize data annotation tools, enabling the training of neural network models for autonomous vehicle systems.
- Developed Python-based tools for data processing and integration, gaining experience with data infrastructure development and handling of large data sets.
- Gained hands-on experience in automating data workflows, which align with analysis tasks in security research.

HR Officer (Captain)

Israel Defense Forces (IDF)

Jul 2018 – May 2021

- Led the HR department for a 500-personnel unit, overseeing HR planning, data management, and administrative tasks, demonstrating strong analytical and organizational skills.
- Supervised a team of 12, showcasing teamwork, communication, and leadership in a high-responsibility, dynamic environment.

Projects

Resume Tailoring Website with Gemini API

Developed a website that leverages the Gemini API to tailor resumes to specific job descriptions. Users can upload their resume, input a job description, and receive a customized resume optimized for the role. Utilized HTML, Flask, Python, and API integration to build and deploy the site, demonstrating adaptability and technical proficiency in web development.

Machine Learning Projects

Hands-on experience with machine learning tools such as TensorFlow, PyTorch, Pandas, and NumPy, demonstrated through various projects in ML-focused coursework. Developed solutions requiring critical analysis and application of agile techniques, aligning with the analytical skills needed for security research.

Personal Interests

Running, Basketball, DJing