Tal Hakak

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Summary

Available and ready for a full-time position.
C Developer with a passion for continuous learning, proven ability to thrive in high-pressure environments and eager to grow in security research.

Education

The Open University   **2021 - Present**
Bachelor of Science: Computer Science and Mathematics
3rd year student

Israel Defense Forces   **2018**
IITC College : Oracle Fundamentals
Network Administrator: Ariel Sharon Camp
Selected for a certification test by my unit to enhance our knowledge and speed up problem-solving.

Aviv High School Raanana   **2015 - 2017**
Full Matriculation
Honours Student

Experience

Security Researcher   **2023 - Present**
Firmware
- Collaborated with a Beijing-based security researcher to elevate Netgear router security, employing tools like Ghidra, BurpSuite, binwalk, and FirmAE for deep malware analysis, incorporating both dynamic and static analysis methods.
- Strategically executed cybersecurity assessments, leveraging in-depth analysis of research objectives, aligning stakeholder expectations, and conducting meticulous reviews to streamline project outcomes and achieve strategic goals.
- Crafted proof of concept (POC) codes in C and Python to address vulnerabilities such as injections, unauthorized access, and memory corruption, enhancing system security.

Android
- Android APK security analysis, employing Jadx, Android Studio, apktool, complemented by Java and Python development to unearth and rectify security vulnerabilities.

Udemy
- Applied Ethical Hacking and Rules of Engagement.
- Reverse Engineering and Malware Analysts Fundamentals.

Israel Defense Forces   **2017 - 2020**
System and Network Administrator
- Managing users and user groups, building and maintaining networks – servers, routers, switches, defining public and private IP Addresses etc.
- Leading and mentoring a team of 11 members who provide full service for technical equipment and computerization of the recruitment section.
- Outstanding Unit Award, 2020
- Top ranking soldier, March 2019

Skills and Extracurricular

Languages: Hebrew (fluent), English (Full professional proficiency).
Programming: C, Java, Python, x86, ARM, MIPS, SQL.
Capture the flag: Pwnable, Microcorruption, HackTheBox, ReverseHero.