

VITALY DYADYUK

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WORK EXPERIENCE

Ben Gurion University

November 2018 - Present

Security Researcher

- Experience in Reverse engineering using IDA and Ghidra of x86/x64 and ARM binaries.
- Knowledge in Cryptography: Symmetric and Asymmetric Key Encryption, Certificates, Signatures and Zero-Knowledge Proof.
- Knowledge in Windows internals, PE structure, Windows API and advanced exploitation techniques in Windows such as: Code Injection, Hooking, Process Hollowing, Thread Replacement.
- Experience with Windows forensic tools such as: Procmon, Process Explorer, Process Hacker, Regshot, Ncat, INetSim.
- Knowledge in Anti-Disassemble and Anti-Forensic techniques.
- Knowledge in Linux OS and exploitation techniques such as: stack and heap overflow, ROP, use-after-free, TOCTOU.
- Knowledge in Micro-architectural attacks and side-channel attacks.
- Python scripting skills.
- Security Researcher at Implementation Security Research Lab managed by Dr. Yossi Oren.
- Cutting edge research focused on micro-architectural attack on a GPU for remote endpoint fingerprinting.
- Leading a team of 2 undergraduate research assistant students.

Cavium (Marvell Technology Group)

November 2016 - November 2018

Embedded Software Engineer

- Firmware developer for FastLinQ NIC at the Ethernet team.
- C/C++ programming and proprietary assembly language optimizations.
- Implementation of networking protocols.

AudioCodes

May 2015 - November 2016

DSP Software Developer

- Responsible for a Development a cross-platform VoIP Engine for ARM driven mobile devices.
- C/C++ Programming Experience and real Time Programming..
- Audio frameworks and Native Development for Android and iOS.

Check Point

June 2014 - May 2015

Threat Cloud Intelligence Analyst - Student Position

- Gathering open source intelligence (OSINT) and basic malware research.

EDUCATION

M.Sc. at Software and Information Systems Engineering

October 2018 - August 2020

Ben Gurion University of the Negev

Current GPA 93

B.Sc. at Communications Systems Engineering

October 2011 - July 2015

Ben Gurion University of the Negev

GPA 86