

Elad Kapuza

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WORK EXPERIENCE

LUMENIS | AUTOMATION ENGINEER

Dec 2019 - Present | Yokneam, Israel

- Developing automation tools for automatic tests for healthcare devices
- Experience with Python, C#, image analysis and micro-controllers

ELBIT SYSTEMS | AUTOMATION ENGINEER

Nov 2018 - Nov 2019 | Haifa, Israel

- Developed automation environment for automatic tests for tracker software in pilot helmets
- Developed a software tool synchronizing automatic tests with QC database
- Experience with Python, C, WPF and Jenkins

CRONUS | R&D SOFTWARE ENGINEER

Jan 2017 - Apr 2018 | Haifa, Israel

- Performed Cyber research including vulnerabilities from NIST and OVAL
- Designed and developed automatic updater tool for the product related to Cyber vulnerabilities
- Experience with Python, Linux, Bash, networking and Jenkins

EDUCATION

TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY

BACHELOR IN COMPUTER SCIENCE & INFORMATION SYSTEMS

Graduated March 2017 | Haifa, Israel

GPA: 80

Honors: Dean's list 2014-2015

ORT BIALIK COLLEGE

PRACTICAL SOFTWARE ENGINEERING DIPLOMA

May 2018 | Kiryat Bialik, Israel

Graduated with excellence

GPA: 91

PUBLICATIONS

FM-DELTA: FAULT MANAGEMENT PACKET COMPRESSION

24 July 2017 | Approved by IEEE

[Link to paper](#)

TECHNICAL PROJECTS

FAULT MANAGEMENT PACKET

COMPRESSION | MARVELL TECHNOLOGY GROUP LTD

Oct 2014

- Implemented a simple hardware-friendly delta encoding algorithm for packet compression
- Published the paper "FM-Delta: Fault Management Packet Compression" (approved by IEEE)
- Presented the project poster at IFIP/IEEE IM 2017 international symposium at Lisbon, Portugal

PATHFINDER VISUALIZATION | WEBSITE & GITHUB

- Built JavaScript application for visualizing path-finding algorithms
- Implemented 3 different algorithms including BFS, DFS and A* algorithms

SORTING VISUALIZATION | WEBSITE & GITHUB

- Built JavaScript application for visualizing sorting algorithms
- Implemented 3 different algorithms including bubble-sort, merge-sort and quick-sort

SKILLS

TECHNICAL SKILLS

Proficient with:

Python3 • C# • WPF • Git • Networking • Agile Development

Familiar with:

C • C++ • SQL • JavaScript • HTML5 • CSS3 • Linux

SOFT SKILLS

Great Communication (Hebrew & English)

Fast-learner • Team-player • Highly-motivated

HONORS/AWARDS

2017	Presented my project poster	IFIP/IEEE IM
2015	Excellent tutor in C-language	Technion
2014	Dean's list GPA 85.8	Technion
2008	Graduated with excellence GPA 91	Diploma