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 TECH.
Bachelor in Computer Science & Information Systems
Graduated March 2017 | Haifa, Israel
GPA: 80
Honors: Dean's list 2014-2015

ORT KIRYAT BIALAIK 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

Year	Award	Institution
2015	Excellent tutor in C-language	Technion
2014	Dean's list GPA 85.8	Technion
2008	Graduated with excellence GPA 91	Diploma