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**PROFESSIONAL SUMMARY**

Software Engineer with a proven track record spanning over 12 years, specializing in the development of real-time, desktop, embedded, and web applications. Expertise in programming languages including C, C++, C#, and Python. Demonstrated proficiency in steering full software development life cycles encompassing requirements gathering, algorithm development, implementation, and testing. Skilled in harnessing cutting-edge AI tools, crafting comprehensive technical documentation, and undertaking meticulous research. Adept at delivering engaging instructional content and fostering knowledge transfer.

**PROFESSIONAL EXPERIENCE**

**2015-Present Software Engineer @** [**Israel Aerospace Industries**](https://www.iai.co.il/) **- Malat, Israel**

Design and develop real-time & desktop software for UAV systems using C, C++, C#, Python.

Manage software engineering life cycles, including requirement gathering, architecture design, implementation, testing, and delivery.

**2015-2015 Software Engineer @ Hewlett-Packard, Yehud, Israel**

Developed LeanFT, a proprietary automated software tool, using C# and Java.

**2014-2014 Software Engineer @ Galil Soft, Bnei Brak, Israel**

Provided software development solutions to clients using C++.

**2012–2013 Embedded Software Engineer @ TrioSoft, Ashdod, Israel**

Developed multi-mainline irrigation controller for Netafim using C++.

**2007-2010 Computer Science Lecturer @** [**Trent University**](https://www.trentu.ca/)**, Ontario, Canada**

Developed and taught courses on information systems, programming languages, and computer organization.

**2002-2006 Research and Teaching Assistant @** [**Trent University**](https://www.trentu.ca/)**, Ontario, Canada**

Developed computer-based simulation models for parallel job scheduling strategies. Co-authored scientific publications.

**1997-2000 Project Coordinator @ Intel, Kiryat Gat, Israel, New-Mexico, Oregon, USA**

Coordinated design, installation, and qualification of electronic silicon chip manufacturing equipment.

**TECHNICAL SKILLS**

* AI tools: ChatGPT 4, Google Bard, Amazon CodeWhisperer.
* Programming Languages: C, C++, C#, Python
* OS: Windows, Ubuntu, GHS Integrity RTOS
* Design Patterns: GoF design patterns in C++, C#
* Networking: RTI DDS, SOCKS, TCP/UDP
* Security: Encryption, digital signatures
* Version Control: Git, MS TFS, SVN, IBM Rational ClearCase
* IDEs: MS Visual Studio, VS Code, PyCharm, Eclipse, Qt Creator, GHS Multi, Qt Creator
* Tools: Microsoft Azure, Jira, Wireshark, Packet Sender, MS Office, Beyond Compare

**FORMAL EDUCATION**

**2004-2006** Master of Science in Computer Science @ Trent University, Ontario, Canada

Thesis: ‘Workload Modelling and Internal Backfilling for Parallel Job Scheduling’

**2001-2004** Bachelor of Science in Computer Science @ Trent University, Ontario, Canada

**1992-1993** Diploma of Technician, Marine Electricity and Control @ Mevoot Yam Marine Technological College, Mikhmoret, Israel

**1990-1992** Matriculation Certificate, Marine Electricity and Control @ ORT Yami, Ashdod, Israel

**MILITARY SERVICE**

**1993-1996** Marine Electrician @ Israeli Navy (Shayetet 13)

Maintained secure operational condition of naval electrical systems.

**LANGUAGES**

English, Hebrew, Russian.