LinkedIn: **Mikhail Jacques**　　　　　　　　　E-mail: mjack@iai.co.il
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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 - 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, Ontario, Canada
Developed and taught courses on information systems, programming languages, and computer organization.

2002-2006　Research and Teaching Assistant @ Trent University, 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.