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| LinkedIn:[**Mikhail Jacques**](http://il.linkedin.com/pub/mikhail-jacques/34/621/36b) | Address: KK”L 53/3, Ashdod, Israel |
| GitHub: [MikhailJacques](https://github.com/MikhailJacques)  E-mail:[jacques.mikhail@gmail.com](mailto:moshe@gmail.com) | Cell: +972-(0)52-507-7979  T. Z. 303933998 |

**Software Engineer**

**PROFESSIONAL EXPERIENCE**

**2014–2014 Software Engineer @** [**Galil Soft Ltd.**](http://galilsoft.com/)**, Bnei Brak, Israel**

Provided software development solutions in Linux OS environment to a variety of customers, including Intel, Verint, Giraffic.

Technologies: Oracle VM Virtual Box, Linux OS, Vim & vi, Git & GitHub, Wireshark, Eclipse CDT, Understand SciTools, C/C++ programming languages.

**2012–2013 Embedded Software Engineer @** [**TrioSoft Ltd.**](http://www.trio-soft.com/)**, Ashdod, Israel**

Analyzed and consolidated customer’s requirements for the development of a new multi-mainline irrigation controller for Netafim. Developed and improved a wide variety of high and low level software modules and implemented irrigation process module from scratch.

Technologies: Microsoft Visual Studio 2012, IAR Embedded Workbench, CMX RTOS, C/C++ programming languages, multithreaded environment.

**2011–2011 Web Developer @** [**Gimmonix Ltd.**](http://www.travolutionary.com/)**, Tel-Aviv, Israel**

Analyzed requirements, developed content, built, tested and hosted websites. Technologies: PHP, phpBB, .NET, C#, JavaScript, HTML, CSS, MySQL, Google Analytics.

**2008–2010 Security Systems Analyst @** [**Ontario Provincial Police**](http://www.opp.ca/)**, Ontario, Canada**

Maintained police information systems and investigated frauds. Technologies: Niche RMS.

**2007–2008 Lecturer in Computer Science @** [**Trent University**](http://www.trentu.ca/)**, Ontario, Canada**

Developed and taught courses on information systems, procedural and object-oriented programming languages (C, C++, C#), design patterns, digital logic and fundamentals of computer organization and design.

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

Developed and implemented computer-based simulation models (C++, C#) to investigate performance of parallel job scheduling strategies. Co-authored scientific publications.

**1997–2000 Project Coordinator @** [**Intel Corporation**](http://www.intel.com/)**, Israel and USA**

Coordinated and oversaw proper design, installation and qualification of high-tech electronic silicon chips manufacturing equipment.

**TECHNICAL SKILLS**

• Operating Systems: Windows, Linux (Ubuntu 12.04, 14.04, Fedora 20), CMX RTOS.

• IDEs: MS Visual Studio 2010, 2012, 2013, IAR Embedded Workbench, Eclipse CDT, Vim and vi text editors. • Programming languages:

High level of expertise: C, C++, C#.

Low level of expertise: Java, Python, PHP, MIPS.

• Design patters: All 23 GoF design patterns in C++ and C#.

• Web development: PHP, phpBB, .NET, JavaScript, JQuery, HTML, CSS, XML, JSON.

• Databases: SQL, MySQL, MS SQL Server, Niche RMS, CPIC.

• Networking: SOCKS, Winsock, Telnet, SSH.

• Communication protocols: HTTP/HTTPS, TCP/IP, SSL, NMEA.

• Multithreading: Synchronous and asynchronous non-blocking multi-threaded programming.

• Security: Symmetric and asymmetric encryption, digital signatures.

• Version control systems: MS TFS, Git SCM.

• Installers: Wix Toolset, InstallShield, Advanced Installer, Visual Studio Installer.

• Microprocessors: ARM 7 micro-controller, phyFLEX-i.MX6 system on module.

• Analytic tools: Understand Source Code Analysis & Metrics SciTool, Google Analytics.

• Miscellaneous: POSIX, Cmake, UML, MS Office, Adobe Dreamweaver CS6, phpMyAdmin, Oracle VM VirtualBox, GDB debugger, Fiddler, Wireshark, Boost, GPSd, GStreamer, mitmproxy, Verilog HDL.

**FORMAL EDUCATION AND TRAINING**

**2011–2012 Microsoft Certified Professional Developer @** [**Management College of Technology**](https://www.facebook.com/ManagementCollegeOfTechnology)**, Israel**

**2008–2009 Diploma of Provincial Constable @** [**Ontario Police College**](http://www.opconline.ca/)**, Canada**

**2004–2006 Master of Science in Computer Science @** [**Trent University**](http://www.trentu.ca/)**, Canada**

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

**2001–2004 Bachelor of Science in Computer Science @** [**Trent University**](http://www.trentu.ca/)**, Canada**

**1990–1993 Diploma of Marine Electricity and Control @** [**Marine Technological College**](http://en.wikipedia.org/wiki/Mevo%27ot_Yam)**, Israel**

**MILITARY SERVICE**

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

Maintained secure operational condition of naval electrical systems.

**SPECIALTIES**

Research, analysis, computer programming, instruction and coordination.

**LANGUAGES**

English, Hebrew, Russian.

**REFERENCES**

Degrees, transcripts, scientific publications, letters of reference and commendation as well as award certificates will be furnished upon request.

**TRAVEL**

Israeli and Canadian passports as well as readiness to travel/relocate anywhere anytime.

**GENERIC COVER LETTER**

From an organizational perspective, my experience in executing goals, projects, and tasks in academic, industrial, high-tech, military and law enforcement environments in Israel, Canada and the USA puts me in a position of an experienced professional who knows how to deliver a vast variety of projects and tasks in a diverse range of interesting and challenging job settings. Having gained vast experience with fast-paced projects in sometimes high-pressure settings, I enjoy challenges and exhibit resourcefulness and teamwork in achieving company’s and team’s goals.

I am also an independent and proactive thinker. Completing my Master’s thesis on time proves that I possess high order skills in analysis, critical evaluation, written communication and the ability to solve complex problems and think rigorously and independently.

As a Project Coordinator at Intel Corporation I coordinated and supervised design and installation logistics and quality control management of numerous electronic high-tech toolsets. As a Lecturer at Trent University I independently developed and taught a wide variety of Computer Science courses using the latest academic on-line based information systems. I showed respect and accommodation to diverse groups of students. As an Analyst at the Ontario Provincial Police, among many other duties, I investigated multijurisdictional credit card frauds and cases of breach of trust using tact and diplomacy at all times. As an Embedded Software Engineer at TrioSoft Ltd. I gathered and consolidated technical requirements for the development of a new multi-mainline irrigation controller and implemented a fully functional irrigation module from scratch. As a Software Engineer at Galil Soft Ltd. I researched and developed software solutions for a diverse range of products in a variety of Linux OS environments to many of the company’s various customers.

I have a versatile skill set and I know I can be a valuable resource at almost any organization, utilizing the best project management practices available right now. My advanced skill level has been developed through my strength and perseverance. This is why I am able to deliver excellent results on time and on budget. For a full list of my professional qualifications, experiences, academic accreditations and references you are more than welcome to visit my [LinkedIn](https://www.linkedin.com/in/mikhailjacques) and my [GitHub](https://github.com/MikhailJacques) profiles.

Mikhail Jacques, M.Sc.