

## Ronen Lapushner

Cell: 050-2669606

Email: [ronenk17@gmail.com](mailto:ronenk17@gmail.com)

Portfolio: <http://github.com/ronen25>

**D.O.B:** 22/01/1995

**Home Address:** 23<sup>rd</sup> Tchernichovski St. Apt. 5, Netanya, Israel

### About me:

I am a highly-motivated C/C++ developer with more than 6 years of vast, proven experience with many environments and many other languages.

I am looking for exciting opportunities to use my wide skill set to contribute and thrive.

### Education

- 2018 - Present **BSc. of Computer Science**, Open University of Israel  
First year student. Current average 84.
- 2001-2013 **Matriculation Diploma**, Tchernichovski, Netanya.  
With additional 5 units of Physics and Computer Science. Graduated with excellence.

### Army Service

- 2013-2016 **Software Developer**, Ofek Unit, Israeli Air Force
- Honorable discharge with very high commendations.
  - Development of highly-classified logistic and automation systems, for large data processing applications.
  - Conceptualization, design and implementation of advanced communications and data processing systems from scratch using DevOps principles.
  - Full Stack End-to-End and prototyping using different development platforms.
- 2013 **NTMM Course**, Basmach
- Graduated with a final grade of 90.

### Experience

- 2016 - 2019 **Software Engineer/Tech Lead**, Cyren
- Using LLVM's sanitizers to standardize and improve code quality.
  - Development and maintenance of a cross-platform, cross-architecture application.
  - AGILE development and customer communication.
  - Consultation for customers regarding best product integration practices.
  - Granular per-architecture optimization and/or development of the product.
  - Rewriting old in-house code with C++14.
  - Reversing and Documentation of previously undocumented systems.
  - Coordination of development efforts coming from multiple teams.

### Additional Education

- 2016 **MongoDB and Redis Course**, Interbit College, Ramat-Gan
- Graduated with excellence.

### Knowledge

- C/C++**
- Advanced Unix/Linux development with advanced I/O models, IPC, and pthreads.
  - Cross-platform development and implementation of data protocols.
  - Development with C99/C++11/14 and porting of old programs.
  - Proven experience with developing advanced client-side application with Qt, WxWidgets, and ImGui.
  - Development of multi-purpose small and highly-portable C/C++ libraries.
  - Userspace Windows development with the Windows C API and WMI.
- Python 3**
- End-to-End development with PyQt and asynchronous programming techniques.
- Java**
- Prototyping of client-side applications/applets with Swing.
  - Servlet programming and deployment on Apache Tomcat servers.
- Dev. Tools**
- Testing performance and checking memory leaks with Valgrind/Cachegrind/Heaptrack.
  - Distribution of open source programs in source-only and/or Snaps; building using Cmake, Autotools and Qmake.
  - LLVM infrastructure (Clang, lldb, sanitizers)
  - Reverse engineering using radare2 (Cutter), Hopper disassembler

### Spoken Languages

**Hebrew** - Native language, **English** - On a native language level

