Vahan Stepanyan

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EDUCATION

Yerevan State University Mathematics and Mechanics	2014 – 2016	PhD
Yerevan State University Informatics and Applied Mathematics	2013 – 2014	---
Moscow Institute of Physics and Technology (State University) Control and Applied Mathematics	2011 – 2013	MS
Yerevan State University Informatics and Applied Mathematics	2007 – 2011	BS

EMPLOYMENT

VMware Inc. Software Developer	2013 – Present
Institute for System Programming of Russian Academy of Sciences R&D Engineer	2011 – 2013
System Programming Lab at Yerevan State University R&D Engineer	2010 – 2011

COMPUTER LITERACY

- Programming languages: Pascal/Delphi, C/C++, x86 asm, ARMv7 asm, Bash/Batch, Ruby, Python
- Libraries/Frameworks: WinAPI, Linux API, KOL, STL, Qt, Boost
- Reverse Engineering: unpacking, disassembling, debugging, decompiling
- Optimization skills: complexity of algorithms, compiler-specific and platform-specific optimizations, profiling, low-level optimizations
- Packaging: MSI (Windows), RPM/DEB (Linux)
- Computer systems: PC, Embedded systems, microcontrollers
- Administration: Linux (RedHat/Debian based), Windows (started from MS-DOS)

PROJECTS

Open Source PE format Import Viewer written in x86 asm

LANGUAGES

Armenian - native, Russian - fluent, English - good

PROFESSIONAL INTERESTS

Low-level and system-programming, reverse engineering, demoscene, information security, hardware, malwares, packers/protectors, operating systems, compilers, optimizations, performance-critical and memory-critical programming, vintage computers
prime numbers, p-adic number system, fractals, data compression algorithms, cryptography
microcontrollers, robotics