

# Vahan Stepanyan

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## EDUCATION

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

## EMPLOYMENT

Activeloop Staff R&D Engineer	2024 – 2026
Synopsys Inc. Staff R&D Engineer	2023 – 2024
Mobeus (Stealth Technology Startup) Senior Software Developer	2022 – 2023
TeamViewer Senior Software Developer	2020 – 2022
VMware Inc. Software Developer	2013 – 2020
Institute for System Programming of Russian Academy of Sciences R&D Engineer	2011 – 2013
System Programming Lab at Yerevan State University R&D Engineer Intern	2010 – 2011

## COMPUTER LITERACY

- Programming languages: C/C++, Pascal/Delphi, x86/ARMv7, Bash/Batch, Python
- Libraries/Frameworks: WinAPI, POSIX, KOL, STL, Qt, Boost, POCO
- DBMS: SQLite, MS SQL, PostgreSQL
- Version Control: Git, Perforce, SVN
- 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 Architecture: PC, Embedded systems, microcontrollers
- Operating Systems: Linux (RedHat/Debian based), Windows

## PROJECTS

<https://github.com/nop144d>

## LANGUAGES

Armenian - native, Russian - fluent, English - good

**PROFESSIONAL INTERESTS**

system-programming, reverse engineering, demoscene, information security, hardware, malwares, packers/protectors, operating systems, compilers, optimizations, performance-critical and memory-critical programming, prime numbers, fractals, data compression, microcontrollers, robotics

**NON-PROFESSIONAL INTERESTS**

guitar, music theory