Piotr Padlewski

Curriculum Vitae

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Education

2013 – 2017 **Bachelor of Science**, *University of Warsaw*.

2017 – 2019 **Master of Science**, *University of Warsaw*.

Experience

July 2017 – **Software engineer intern**, MICROSOFT, Redmond, USA.
October 2017 Implementing Scalar evolution framework and SCEV expander optimization.

May 2016 – **Team leader**, IIIT, Warsaw, Poland.
current Developing clang-tidy and researching different topics like ML for SEO and robotics

July 2016 – **Software engineer intern**, GOOGLE, Mountain View, USA.
October 2016 Improvling importer heuristics in ThinLTO (scalable incremental Link Time Optimization). The improvement on SPEC 2006 with PGO was 0.62% geomean with up to 9% wins

July 2015 – **Software engineer intern**, GOOGLE, Mountain View, USA.
October 2015 Developing devirtualization (changing virtual to direct calls) for C++ in Clang and LLVM

July 2013 – **C++/Python developer**, GEMIUS, Warsaw, Poland.
May 2016 Rewriting GemiusAudience backend to C++, developing computing cloud with resources control in python, developing configurable monitoring files parser

Awards

2017 2nd place in SPLASH Students Research Competition with paper "Devirtualization in LLVM" (undergraduate category)

2013 Finalist of Polish Computer Science Olympiad

2012, 2013 Finalist of Polish Innovation of Technology Olympiad

2013 The Best IT project at the Youth Scientists Festival "EXPLORY"

2012 Finalist of Polish Linguistics Olympiad

2009 Square-1 World Champion – speed solving Rubik's cube competition

Computer skills

Advanced C++17, PYTHON, OPTIMIZATIONS, COMPILERS AND TOOLS

Intermediate C, ALGORITHMS, DEEP LEARNING

Basic JAVA, CUDA, ASM, OPERATIONAL SYSTEMS, NETWORKING, LINUX

Interests

- Compilers infrastructure
- C++
- Giving C++ talks
- Deep learning
- motorcycle
- electric vehicles
- electric guitar and drums
- Speedcubing