

# 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 Improving importer heuristics in ThinLTO (scalable incremental Link Time Optimization).  
The improvement on SPEC 2006 with PGO was 0.62% geometric mean 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
- Giving C++ talks
- motorcycle
- electric guitar and drums
- C++
- Deep learning
- electric vehicles
- Speedcubing