Przemysław Leśniak

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EDUCATION

University of Wrocław, Institute of Mathematics and Computer Science
Degree course: **Computer Science**
2013 - 2016: **Bachelor**
2016 - now : **Master**

EXPERIENCE

Internship at Nokia company July - September 2015
TTCN-3 Partial Parser Combinators project

- Designed and implemented a parsing library in C++ inspired by Parsec from functional language Haskell
- Parser for TTCN-3 language, using mentioned library
- Efficient auto-complete plugin for Qt creator

Software developer at Nokia company July 2016 - now
TTCN-3 Compiler developer

- Supported development of TTCN-3 Compiler written in C++
- Improved performance of compiled code

SKILLS

Programming languages

- **Advanced**: C++, C
- **Intermediate**: Haskell, Java, Python, Coq

Others

- **Tools**: Linux, Git, Vim, gdb, bash shell
- Proficiency in objective and functional programming
- Interest in algorithms design and implementation, operating systems
- Fluency in **English language**

PROJECT HIGHLIGHTS

- **hCompiler**
  Compiler for subset of C written in Haskell. Compiles directly to x86 assembly.
- **GraphDrawer**
  Graph visualisation tool written in Java. Aimed for competitive programming.
- **mimiker**
  Implementation of virtual memory for mimiker operating system: paging, TLB management, virtual memory mapping. Purely in C and MIPS assembly.
- **CubeSolver**
  Program for Rubik's cube solving written in Python.

OTHER

Hobbies: Popping, Speedcubing
GitHub: https://github.com/coodie/