

Abel Nieto

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Education

May 2017–Present **Master of Mathematics (Computer Science)**, *University of Waterloo*, Waterloo, ON, Canada.

Working with Ondřej Lhoták on sound initialization for Scala.

Sep 2009–May 2014 **Bachelor of Computer Science**, *University of Waterloo*, Waterloo, ON, Canada,
Major average: 92.53/100.

Work Experience

May 2014–April 2017 **Software Engineer**, *Google*, Kitchener, ON, Canada.

Google Fiber TV and Technical Infrastructure teams.

2017 Android and backend development in Java. Distributed build systems in Go.

Sep 2013–Dec 2013 **Software Engineer Intern**, *Facebook*, Menlo Park, CA, USA.

Immutable containers for HHVM, Facebook's PHP JIT compiler.

Sep 2011–Dec 2011 **Software Engineer Intern**, *Facebook*, Menlo Park, CA, USA.

Tracking perf events (e.g. branch mispredictions and cache misses) within tc-print, a profiler for HHVM.

Papers

2017 **Abel Nieto**, *Towards Algorithmic Typing for DOT (Short Paper)*, to appear at SCALA'17.

Technical Reports

2017 **Abel Nieto**, *Towards Algorithmic Typing for DOT*, arXiv:1708.05437 [cs.PL].

Skills

- Algorithms/data structures
- Scala/Go/Java/C++/Scheme
- Functional programming
- Programming languages/Compilers



Misc

- 2008 **Silver Medal (44th/300+)**, *XX International Olympiad in Informatics*, Cairo, Egypt.
- 2007 **Participation Certificate (187th/300+)**, *XIX International Olympiad in Informatics*, Zagreb, Croatia.