

## Education

- Apr 2012 **PhD Candidate in Computer Science**, *University of Bern*, Bern.
- Nov 2016 Thesis: *High performance tolerant parsing* (preliminary title)  
(expected)
- New parsing technologies, program analysis, parser optimizations, compilers
  - Thesis supervision (1 MSc and 6 BSc)
  - Teaching Assistant of *Runtime Systems, Compilers, Concurrent Programming and Design Patterns*.
  - Smalltalk, parser combinators, parsing expression grammars
- Sep 2007 **MSc in Informatics**, *Czech Technical University*, Prague, red-diploma for excellent study results.
- Jan 2010 Thesis: *Introducing XML Schema Data Types into XQuery Interpreter* (won Dean's award)
- Smalltalk, XQuery, XML
- Sep 2004 **BSc in Informatics**, *Czech Technical University*, Prague.
- Jun 2007 Thesis: *Test pattern compression done with a help of evolutionary algorithms*

## Work Experience

- Nov 2015 **Software Engineering Intern**, *Google Inc.*, Mountain View.
- Feb 2016 Automated assertions of Java Practices and Policies for Apps for Work.
- Program analysis, large-scale changes and refactorings
  - Java, Guice, Error-prone
- Jan 2008 **Software Engineer**, *Certicon a.s.*, Prague.
- Feb 2012 Development of automotive diagnostics software.
- Implementation of GUI components, bug fixes and ANT-based build server development
  - Agile Scrum-like process in an international team
  - Java, Java Swing, Eclipse, OSGi
- May 2006 **Startup Developer**, *Hledej ceny.cz*, Prague.
- Jan 2008 Website frontend and backend development.
- Implementation of a price comparison website from scratch in a small team
  - Linux server and database administration
  - PHP, Java, MySQL, Apache

## Languages

Intermediate	<b>English</b>	<i>Con conversationally fluent</i>
Basic	<b>German</b>	<i>Basic words and phrases</i>
Mother tongue	<b>Czech</b>	

## Contact

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