

Petr Koupy

Year of birth: 1987
Nationality: Czech
Location: Blansko, Czech Republic
Contact: petr.koupy@gmail.com



Summary:

Specialized in system programming and parallel programming. Able to develop both system level software and applications. Experience with project management. Contributed to several open-source projects. Fluent in C/C++ and C#.

Employment:

Aug 2012 - Oct 2012 **Student Software Developer at European Space Agency**
 contribution to open-source project for *ESA Summer of Code in Space 2012*

Jun 2011 - Aug 2011 **Student Software Developer at Google Inc.**
 contribution to open-source project for *Google Summer of Code 2011*

Education:

2010 - 2013 **Charles University in Prague, Faculty of Mathematics and Physics**
Master's Degree in Computer Science
 CUM LAUDE PEREGIT

2007 - 2010 **Charles University in Prague, Faculty of Mathematics and Physics**
Bachelor's Degree in Computer Science
 final state exam passed with excellent marks

1999 - 2007 **Gymnasium Blansko**
 final exam passed with distinction

Skills:

Specialties operating systems, distributed systems, code parallelization, code optimization, scalability, multiplatform development, portability

Interests compilers, networking, data compression, data mining, neural networks, information security

Languages C, C++, C#

Libraries Boost, Qt, TBB, MPI

Tools Visual Studio, NetBeans, Subversion, Bazaar

Languages:

Czech native speaker

English C1 Level, *Cambridge Certificate in Advanced English (CAE)*

Spanish elementary knowledge

Projects:

- HelenOS** *Sep 2011 - Aug 2012*
Design and development of graphics stack for microkernel operating system HelenOS.
- Gerbil** *Aug 2012 - Oct 2012*
Scalability improvement, parallelization and optimization of multispectral image viewer.
- Molpher** *Jan 2012 - Oct 2012*
Design and development of a tool for computer-aided drug discovery.
- HelenOS** *Jun 2011 - Aug 2011*
Port of GNU binutils to microkernel operating system HelenOS.
- GraphRec** *Apr 2009 - Mar 2010*
Design and development of a visualization tool for centralized path planning problems.

Awards:

- 2008, 2010, 2011** merit scholarships for the exceptional grades at university
- 2007** *The Jaroslav Heyrovsky Endowment Fund Prize* for the contest software project

Other:

- Communities** member of Mensa Czech Republic
- Certifications** European driving license for B-class vehicles
- Interests** modern technologies, physics, economy, investing