

Petr Koupy

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



Summary:

Four years of Computer Science training. Specialization in system programming and software engineering. Explored areas of operating systems, distributed systems, parallel programming, compilers, networking, data compression, data mining and security. Fluent in C/C++ and C#.

Education:

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|-----------------------|---|
| 2010 - present | Charles University in Prague, Faculty of Mathematics and Physics
follow-up master studies in the area of Computer Science |
| 2007 - 2010 | Charles University in Prague, Faculty of Mathematics and Physics
<i>Bachelor's Degree in Computer Science</i>
Thesis: "Visualization of problems of motion on a graph"
final state exam passed with excellent marks |
| 1999 - 2007 | Gymnazium Blansko
final exam " <i>maturita</i> " passed with distinction |

Employment:

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| Jun 2011 - Aug 2011 | Software Developer at Google Inc. , Mountain View, California, USA
contribution to <i>HelenOS</i> open-source project as a part of <i>GSoC 2011</i> |
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Achievements:

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| 2010 | participating author for accepted paper at conference <i>Znalosti 2010</i> (Czech Republic) and at workshop <i>ECAI STeDy 2010</i> (Portugal) |
| 2008, 2010 | awarded by merit scholarship for exceptional grades in the first and third year at university |
| 2007 | awarded by <i>The Jaroslav Heyrovsky Endowment Fund</i> for the contest software project |

Languages:

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| Czech | native speaker |
| English | C1 Level, <i>Cambridge Certificate in Advanced English (CAE)</i> |
| Spanish | elementary knowledge |

Computer Skills:

Computer Languages	<p>C/C++</p> <ul style="list-style-type: none"> - used for development of compiler, OS kernel, libraries, GUI and console applications - experience with general-purpose libraries (STL, Qt), parallel libraries (OpenMP, TBB), middleware libraries (CORBA, MPI) - experience with linking, interoperability, portability, networking - knowledge of utilities (GNU toolchain, Bison, Flex) <p>C#</p> <ul style="list-style-type: none"> - used for development of GUI and console applications - knowledge of .NET 2.0 and 3.5 features - experience with libraries, unit testing <p><u>Good knowledge of:</u> Pascal, HTML, CSS, bash</p> <p><u>Some experience with:</u> Haskell, LISP, Prolog, R, XML, PHP, SQL</p>
Operating Systems	<ul style="list-style-type: none"> - general knowledge of MS Windows administration and internals - user experience with GNU/Linux, slight knowledge of its internals - virtualization utilities (Virtual Box, MS Virtual PC, MSYS, QEMU, GXemul) - decent orientation in Windows API and POSIX API - experience from development of mips32 kernel
Computer Hardware	<ul style="list-style-type: none"> - general knowledge of computer hardware and its principles - detailed knowledge of mips32 architecture
Software Packages	<p><u>Good knowledge of:</u> MS Visual Studio, Qt Creator, NetBeans, Subversion, Bazaar, Doxygen MATLAB, MS Word, MS Excel, MS PowerPoint</p> <p><u>Some experience with:</u> Adobe Photoshop, Adobe Illustrator, Autodesk AutoCAD</p>
Areas of Interest	<p>operating systems, distributed systems, parallel programming, multiplatform development, portability, compilers, networking, data compression, data mining, neural networks, information security</p>

Additional Information:

Personal Skills	determined, organized, methodical, committed, hardworking, willing to learn, deliberate, reliable, responsible
Communities	member of Mensa Czech Republic
Other Skills	European driving license for B-class vehicles
Hobbies and Interests	modern technologies, physics, economy, investing, sci-fi, computer games, jazz and electronic music, snowboarding, cycling, fitness