ZUZANA TRNOVCOVA

School Address: zuzka@mit.edu   Home Address:
171 River Street   857-919-6529   Lubovnianska 4
Cambridge, MA, 02139   85107 Bratislava
                                                                                  Slovakia

Education	**MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT), Cambridge, MA** Bachelor of Science in Computer Science and Engineering with a Minor in Economics, June 2009 Candidate for Master of Engineering in Computer Science and Engineering, June 2010 • Relevant Coursework: Software Engineering Laboratory, Algorithms, Artificial Intelligence, Advanced Natural Language Processing, Probabilistic Systems Analysis, User Interface Design and Implementation, Machine Learning (Fall 2009), Advanced Algorithms (Fall 2009). **GPA: 4.9/5.0**.
Related Experience	**SIEMENS AG, München, Germany** **Research and Development Intern, Corporate Technology** (Summer 2008) Designed a representation of UML sequence diagrams for graphical display. Implemented a tool for converting a standard UML diagram representation and the graphical representation. Used Java in Eclipse. **MIT, Media Laboratory, Cambridge, MA** **Undergraduate Research Assistant** (January-May 2008) Designed, implemented and tested a tool for processing natural language health complaints. Used Natural Language Processing Toolkit in Python. **SOLIDWORKS CORPORATION, Concord, MA** **Software Engineering Intern, Content Technology Group** (Summer 2007) Implemented and tested an interface for web site administrator to facilitate the interaction with user database. Improved the layout of the web site and added user-friendly features. Used ASP.NET, C#, SQL and HTML.
Projects	**MIT Undergraduate Project and MEng Thesis Project, Cambridge, MA** (2009-2010) Designed and implemented a web-based educational game for learning Chinese words and characters. Programmed in Java and Javascript. **MIT User Interface Design and Implementation Project, Cambridge, MA** (Spring 2009) Designed, prototyped, implemented and tested part of a web-based training log application for storing and analyzing training data. Programmed in Flex. **MIT Software Engineering Laboratory Project, Cambridge, MA** (Spring 2007) Designed, implemented and tested the physics engine for a 3D Pinball game using Java. **International Baccalaureate Extended Essay in Computer Science, Bratislava, Slovakia** (2005) Analyzed and implemented a compression program based on Huffman encoding. Programmed in C.
Work Experience	**MIT, Department of Electrical Engineering and Computer Science, Cambridge, MA** (Spring 2007) Laboratory Assistant for basic circuits and electronics class. **MIT, Physics Department, Cambridge, MA** (Fall 2006 – Spring 2007) Grader for weekly homework in basic undergraduate Physics courses. **MIT, Department of Physical Education and Recreation, Cambridge, MA** (2005-2008) Skating Rink Staff. Oversaw the skaters in the rink. Administered the skate rental.
Skills	**Computer**: Java, Python, Javascript, Flex, C, Scheme, HTML. Familiar with C#, ASP.NET, C++, SQL. **Languages:** Fluent in English, Slovak and Czech. Advanced in German. Intermediate in French and Japanese.
Awards, Honors	**Correspondential Seminary in Programming, Bratislava, Slovakia** (winter 2004), 2nd place. **Programming Competition Zenit, Bratislava, Slovakia** (2004), 7th in regional round.. **Mathematical Olympiad in Programming, Bratislava, Slovakia** (2003-2005) **Lufthansa Award for Excellence in German Studies at MIT** (spring 2006), 1st place.
Activities	MIT Cycling Team: logistics officer (2007-08), 1st in team time trial at Collegiate Nationals 2008 MIT Triathlon Team: vice-president, treasurer (2007-09), 31st at Collegiate Nationals 2009.