

PETER PESTI

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OBJECTIVE Seeking intern position for Summer 2009.

EDUCATION

2006– **PhD in Computer Science**, Georgia Institute of Technology, Atlanta, GA
Area: location based systems, mobile computing
GPA: 4.00/4.00

2004–2006 **MS in Computer Science**, Georgia Institute of Technology, Atlanta, GA
Area: computer vision; human-computer interaction
GPA: 3.66/4.00

2000–2006 **MSc in Technical Informatics**, Budapest Univ. of Technology, Hungary
Area: speech synthesis; software technologies
GPA: 4.54/5.00

IMPACTFUL PROJECTS

- “Google Maps Nighttime!?”: mashup webpage (165,000 unique visitors in first month), 2006 (www.cc.gatech.edu/~pesti/night/)
 - “mGraffiti”: satellite and map imagery based community interaction software for Windows Mobile powered PDAs. US national finalist and regional 1st prize winner at Microsoft Imagine Cup software design competition, Redmond, WA, 2005 (www.cc.gatech.edu/~pesti/mgraffiti/)
 - Corpus-based speech synthesis engine in C++ for Hungarian. Received thesis award of the Hungarian Scientific Association for Infocommunications (2006). Presented at the Student Researchers’ Conference: 1st place award by John von Neumann Computer Society (2004). Published results in a journal and at a conference.
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HONORS, AWARDS

- MSc diploma with distinction, Budapest, Hungary, 2006
 - Invited to highly selective McKinsey & Company EuroAcademy, Athens, Greece, 2005
 - Full scholarship from Naumann-Etienne Foundation, for studies at Georgia Tech, 2004
 - Scholarship of the Hungarian Republic (top 0.8% of all university students), 2003–2005
 - Scholarship from the GE Foundation’s Scholar-Leaders Program, 2002–2005
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WORK EXPERIENCE

Research Intern, Microsoft, Redmond, WA

Microsoft Research, Systems and Networking Group, *Summers of 2007 and 2008*

Created and coded new algorithm in C++ and C# for MapCruncher/Stitcher project.

Graduate Research Assistant, College of Computing, Georgia Institute of Technology

Center for Experimental Research in Computer Science, *08/2006 – Present*

Project: Distributed Location-Aware Computing Systems, with Prof. Ling Liu.

Graduate Teaching Assistant, College of Computing, Georgia Institute of Technology

CS8803: Advanced Internet Application Development, *01/2008 – 05/2008*

Teaching Assistant, Budapest University of Technology and Economics

Software Project Lab, *Spring of 2003, 2004 and 2006*

WORK EXPERIENCE (cont'd)	Research Assistant , Budapest University of Technology and Economics Speech Technology Laboratory, <i>September 2003 – July 2004, September 2005 – May 2006</i> Team project: Design, implementation and testing of speech synthesis software system.
TECHNICAL SKILLS	<ul style="list-style-type: none"> ▪ <i>Programming</i>: Java, C, C++, C#, Matlab, Prolog, Python ▪ <i>Software development</i>: Eclipse, Visual Studio, UML, OO design, Rational Rose, CVS, SVN ▪ <i>Web technologies</i>: XML, HTML, PHP, JavaScript, Apache/Tomcat servers, socket programming, IIS, SOAP web services in C# and Java, RPC ▪ <i>Databases</i>: SQL, MySQL, MS SQL, JDBC ▪ <i>Operating systems</i>: Linux, Windows, Windows Server, Windows Mobile
PUBLICATIONS	<ul style="list-style-type: none"> ▪ P. Pesti, J. Elson, J. Howell, D. Steedly, M. Uyttendaele, “Low-Cost Orthographic Imagery”, <i>16th ACM SIGSPATIAL International Conference on Advances in Geographic Information Systems</i>, Irvine, CA, 2008 ▪ B. Bamba, L. Liu, P. Pesti, T. Wang, “Supporting Anonymous Location Queries in Mobile Environments with PrivacyGrid”, <i>17th International World Wide Web Conference</i>, Beijing, China, 2008 ▪ M. Fék, P. Pesti, G. Németh, G. Olaszy, Cs. Zainkó, “Corpus-Based Unit Selection TTS for Hungarian”, <i>Ninth International Conference on Text, Speech and Dialogue</i>, Brno, Czech Republic, 2006 ▪ M. Fék, P. Pesti, G. Németh, Cs. Zainkó, “Generation Change in Speech Synthesis” (in Hungarian), <i>Hungarian Journal on Communications</i>, vol. 2006/3, pp. 21-30, Budapest, Hungary, 2006 ▪ T. Westeyn, P. Pesti, K. Park, T. Starner, “Biometric Identification Using Song-Based Blink Patterns”, <i>11th International Conference on Human-Computer Interaction</i>, Las Vegas, NV, 2005 ▪ A. Nagy, P. Pesti, G. Németh, T. Bóhm, “Design Issues of a Corpus-Based Speech Synthesizer”, <i>Hungarian Journal on Communications</i>, 2005/6. special issue, pp. 18-24, Budapest, Hungary, 2005
ACTIVITIES	<ul style="list-style-type: none"> ▪ External reviewer for WWW2008. ▪ Participated in professional one-week course (on university scholarship), Ecole Nationale Supérieure d’Arts et Métiers, Paris, France, <i>November 2005</i> ▪ Initiated and coordinated offering innovative Computational Neuroscience course (Prof. Peter Érdi), <i>December 2003</i> ▪ Participated in professional one-week course (on university scholarship), Ecole Nationale Supérieure des Télécommunications, Paris, France, <i>November 2003</i> ▪ Participated in professional one-week course (on university scholarship), Ecole Polytechnique, Paris, France, <i>March 2003</i>
OTHER	<ul style="list-style-type: none"> ▪ Languages spoken: English (fluent), French (intermediate), Hungarian (native) ▪ Invited member of Lifeboat Foundation’s “Futurists” Scientific Advisory Board ▪ Interests, hobbies: blogging, photography, snorkeling, traveling, futurology
SELF-STATEMENT	I am a high energy PhD student with a strong drive for innovation and achievement, frequently taking the initiative in my pursuit of excellence. As a flexible team player with great communication and problem-solving skills, I have gained over 4 years of experience in various R&D environments. With a genuine interest in the future, I am deeply motivated to take on new challenges and projects.