

Elena Agapie

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| Education | Harvard University, School of Engineering and Applied Sciences 09/2009–to date PhD in Computer Science, focus on Intelligent Interactive Systems |
| | Jacobs University Bremen, Bremen, Germany 09/2006–01/2009 B.Sc.in Computer Science |
| | University of Provence, Marseille, France 1/2006–05/2006 Center of Mathematics and Computer Science - Semester abroad, Erasmus Program Performance: ranked top 2% of the class |
| | University of Bucharest, Bucharest, Romania* 9/2004–12/2005 Division of Mathematics and Computer Science - Pursued a B.Sc. in Computer Science Performance: top 2% of the class <small>*transferred to Jacobs University Bremen, Germany to finish the B.Sc.</small> |
| Work and Research Experience | Intel Labs 06/2009–08/2009 <i>Future Technologies Research/Research Acceleration and Innovation</i> Developing context awareness building blocks for mobile platforms focused on understanding the user's activities and social interaction. These included capturing data from various sensor, inference and data mining to determine the user's context. |
| | University of California, Berkeley 02/2009–05/2009 <i>California Center for Innovative Transportation</i> Developed key software components for a system that collects traffic data from GPS-equipped mobile phones and estimates traffic conditions in real-time: refactored code of main algorithms, developed test-cases, database design. |
| | Jacobs University Bremen, Germany 01/2008–01/2009 <i>Knowledge Adaptation and Reasoning for Content Group, Prof. Michael Kohlhase</i> Research in logical systems and functor extensions in web-scalable module systems for mathematical theories. Extending the grammar of a module system with λ -expressions abstracting over morphisms. Extracting semantics of natural language from a corpus of Physics papers (09/2008-01/2009). Using statistics and computational semantics to build a definition spotter. |
| | University of California, Berkeley 06/2008–08/2008 <i>Berkeley Laboratory for Automation Science and Engineering, Prof. Ken Goldberg</i> <i>Summer Undergraduate Program in Engineering Research at Berkeley(REU)</i> Research in machine learning for unreliable training sets in collaborative online systems; simulated a learning system, built and designed a web interface of a game for online medical diagnosis. |
| | University of California, Los Angeles 06/2007–08/2007 <i>Center for Embedded Networked Sensing, Prof. Deborah Estrin</i> <i>Summer Program for Undergraduate Research (REU),</i> |
| | Personal Environmental Impact Report Project. Research in probable path inference for Global Positioning System (GPS) traces in cities, development and implementation of algorithms, analysis of GPS data, extending a GPS mapping software (Roadnav) Interdisciplinary research on topics of environmental impact, designing data collection campaigns, proposing user interface design. |
| Publications and Presentations | E. Agapie, H.C. Hsiao, “ User Identification Using Pressure Typing Pattern ”, demo at the <i>Symposium for User Interfaces and Software Technology 2009, Student Contest</i> |

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| Publications and Presentations | E. Agapie, E. Bitton, J. Xu, R. Hironaga, K. Goldberg “ Second Opinion, a Collaborative Online Game for Medical Diagnosis ”, <i>University of California at Berkeley, SUPERB Program, Poster Day, 2008</i> ; | |
| | E. Agapie, G. Chen, D. Houston, E. Howard, J. Kim, M. Y. Mun, A. Mondschein, S.Reddy, R. Rosario, J. Ryder, A. Steiner, J. Burke, D. Estrin, M. Hansen, M. Rahimi, “ Seeing Our Signals: Combining location traces and web-based models for personal discovery ”, <i>The 9th IEEE Workshop on Mobile Computing Systems and Applications (HotMobile 2008)</i> | |
| | E. Agapie, “ Functors in a Web-Scalable Module System ”, <i>Bachelor Thesis, Jacobs University, 2008</i> supervisors: Prof. Dr. Michael Kohlhase, Dr. Florian Rabe | |
| | E. Agapie, J. Ryder, J. Burke, D. Estrin, “ Probable Path Inference for GPS Traces in Cities ”, <i>Center for Embedded Networked Sensing, University of California, Los Angeles, Summer Program for Undergraduate Research Poster Day, 2007</i> | |
| Awards and Achievements | Google GRAD CS Forum , North America | |
| | Forum for Graduate Researchers in Academia of Diverse backgrounds | 2009 |
| | DAAD (German Academic Exchange Service), Bremen, Germany | |
| | Award for Community Involvement | 2008 |
| | Google Global Community Scholarship - Grace Hopper Conference | 2008 |
| | Merit Scholarship at Jacobs University Bremen | 2006–2008 |
| | Erasmus Scholarship at the University of Provence | 2006 |
| | Institute of Mathematics of the Romanian Academy | |
| Teaching Experience | Scholarship for the 14th National School for Algebra | 2005 |
| | Merit scholarship for academic achievement, University of Bucharest | 2004–2006 |
| | Several national distinctions at Romanian mathematics contests | 2000–2004 |
| | Math Support Center , <i>Jacobs University</i> | 09/2007–12/2008 |
| | Coordinating the center and tutors’ activities, creating online platforms for communication with students (starting 09/2008). Held tutorials and individual tutoring sessions in groups of 10 persons (Calculus I and II, Linear Algebra, Statistics and Probabilities, Numerical Methods). | |
| Service | The Princess Margarita of Romania Foundation | 08/2005–01/2006 |
| | Teaching mathematics to secondary school underrepresented students. | |
| | BostonCHI Labs , <i>Harvard University</i> | 09/2009–to date |
| | Member of the student group in the organizing committee in the Boston alliance of researchers in HCI. Organize monthly events. Organized the launch of the alliance through an event in Nov 2009. | |
| | Topics in HCI Reading Group , Harvard University | 02/2009-to date |
| | Coordinator of the reading group. | |
| | Enjoy Your Future , <i>Youth Nongovernmental Organization</i> | 09/2005–12/2005 |
| Programming Skills | Co-organizer of activities for the participation in the Student Action Week 2006 (regional event on career opportunities for college students), advising students | |
| | ProDemocracy . <i>Nongovernmental Organization</i> | 11/2004, 03/2005 |
| | <i>Romanian national elections</i> —observe, ensure legitimacy of the elections in voting centers | |
| Languages | Throughout projects I used the following languages: Java, SQL, C#, HTML, Prolog, C, C++, PHP, MATLAB | |
| | <i>Romanian</i> – Native language; <i>English</i> – Proficient; <i>French</i> – Advanced knowledge <i>German, Spanish</i> – Basic knowledge | |
| Interests | <i>Pottery</i> - building clay sculptures and pottery; <i>Ballroom dancing</i> | |