

CURRICULUM VITAE

PERSONAL INFORMATION

- Surname: Csorba
- First name: János
- Nationality: Hungarian
- Date of birth: 19/07/1987
- Gender: male

CONTACT INFORMATION

- Contact Address: 16, Déry Tibor utca, Győr, 9024, Hungary
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EDUCATION

- 02/2012 – to present **PHD. IN COMPUTER SCIENCE**
Budapest University of Technology and Economics (BUTE),
Faculty of Electrical Engineering and Informatics, Hungary,
- 02/2010 – 01/2012 **MSc. IN COMPUTER SCIENCE**
Budapest University of Technology and Economics (BUTE),
Faculty of Electrical Engineering and Informatics, Hungary,
Major in Theoretical Computer Science
Grade of the MSc degree: excellent with honours
Cumulated average: 5.00 (scale: 1 - 5)
- 09/2006 – 01/2010 **BSc. IN COMPUTER SCIENCE**
Budapest University of Technology and Economics (BUTE),
Faculty of Electrical Engineering and Informatics, Hungary,
Major in Intelligent systems
Grade of the BSc degree: excellent with honours
Cumulated average: 4.95 (scale: 1 - 5)
- 09/2000 – 06/2006 Apor Vilmos Catholic Secondary Grammar School
Győr, Hungary

WORK EXPERIENCE

- 07/2012 to 10/2012: **Great Minds Internship at IBM Research Haifa Labs (Israel, Haifa)**
- Working on different truck design configuration projects at the *Machine Learning and Constraint Satisfaction Group*
 - Prototype for new project on truck configuration
- 02/2010 to 02/2012: **Static type checking in the Q functional language for Morgan Stanley Business Center (Hungary, Budapest)**
- Design and implementation of the lexical and syntactic analyser for the Q language (implemented in Prolog)
 - Constraint based type inference for the Q language (implemented in Prolog)

07/2009 – 12/2010: **Developing medical CAD applications for Innomed Medical Inc. (Hungary, Budapest):**

- Development of an automatic chest X-ray registration program

09/2007 to present: **Teaching the following courses at the Budapest University of Technology and Economics (Hungary, Budapest):**

- Calculus
- Theory of Algorithms
- Introduction to the Theory of Computing
- Foundation of Computer Science
- Declarative Programming

HONOURS AND AWARDS

- Winner of IBM Great Minds Internship (2012)
- Finalist in ACM Programming Contest Central European (Poland, 2010)
- Diploma thesis prize of the Scientific Society for Measurement, Automation and Informatics (Hungary, 2010)
- First prize at Students' Scientific Conference in section "Signal processing" (Hungary, 2009)
- Scholarship award of the Republic of Hungary in academic years 2008/09, 2009/10, 2010/11 and 2011/12
- Finalist at National Student Competition in Mathematics and Informatics (Hungary, 2005, 2006)
- Second prize in International Hungarian Mathematics Competition (2004)

PUBLICATIONS

- János Csorba, Balázs Kormányos, and Béla Pataki. Registration of Chest X-rays. In *XII Mediterranean Conference on Medical and Biological Engineering and Computing 2010*, volume 29 of *IFMBE Proceedings*, pages 402-405, 2010.
- Zsolt Zombori, János Csorba, and Péter Szeredi. Static Type Checking for the Q Functional Language in Prolog. In *Technical Communications of the 27th International Conference on Logic Programming*, volume 11 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 62-72, Dagstuhl, Germany, 2011.
- János Csorba, Zsolt Zombori, and Péter Szeredi. Using constraint handling rules to provide static type analysis for the Q functional language. In *11th International Colloquium on Implementation of Constraint and LOGic Programming Systems, 2011*.
- János Csorba, Zsolt Zombori and Péter Szeredi. Pros and Cons of Using CHR for Type Inference. In *CHR 2012 Workshop, Budapest, 2012*.
- Zsolt Zombori, János Csorba, and Péter Szeredi. Static Type Inference for the Q language using Constraint Logic Programming. In *Technical Communications of the 28th International Conference on Logic Programming*, volume 17 of *Leibniz International Proceedings in Informatics (LIPIcs)*, pages 119-129, Dagstuhl, Germany, 2012

RESEARCH INTERESTS

- Logic Programming
- Constraint Programming
- Image Processing
- Machine Learning

PROGRAMMING LANGUAGES

- With work experience: C, C++, Prolog, Matlab, Q
- Other: C#, Java, PHP, SQL, Erlang

LANGUAGES

- Hungarian: native
- English: fluent (active)
- German: intermediate (passive)

OTHER SKILLS

- Driving license (category B)
- Hobbies: travelling, skiing, football, badminton, (tandem) chess