

Curriculum vitæ

Dr. Matthias Rupp

Postdoc (machine learning in cheminformatics)

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Education

- 2011–2013 Postdoc, Prof. Dr. G. Schneider, ETH Zurich, Switzerland.
(symbolic regression for biochemistry; EU Marie Curie grant 273039 SymPati)
- 2011 Navigating chemical compound space program, IPAM, UCLA, California.
(machine learning for quantum mechanical calculations; invited participant)
- 2010–2011 Postdoc, Prof. Dr. K.-R. Müller, Technical University, Berlin, Germany.
(kernel-based learning in cheminformatics; DFG grant MU 987/4-1)
- 2009–2010 Postdoc, Dr. I. Tetko, Helmholtz Research Center, Munich, Germany.
(quantitative structure-activity relationships; BMBF grant GO-Bio 0313883)
- 2006–2009 PhD, Prof. Dr. G. Schneider, University of Frankfurt, Germany.
(summa cum laude; kernel methods for virtual screening; FIRST scholarship)
- 1996–2004 Degree in informatics, University of Frankfurt, Germany.
(overall grade: sehr gut; software engineering, combinatorial structures, bioinformatics algorithms, stochastic processes)
- 1985–1994 Abitur, Kreuzburg-Gymnasium, Großkrotzenburg, Germany.
(specializations in mathematics and English; overall degree 1.9)

Work experience

- 2003–2005 Frankfurt Consulting Engineers GmbH
(consultant, programmer; optimization of multiple robots, incl. sequencing, locking programs, visualization, collision detection; stochastic models for equipment cost minimization; analysis and forecast of gas turbine sensor data)
- 1999–2004 Johann Wolfgang Goethe University
(student assistant; tutorials, lecture notes, research support)
- 1998–2000 SystemHaus Rupprecht / Business Sector AG
(programmer; telephony application, real time finance systems).
- 1995–2004 Freelance work, i. a., Dekalin Klebstoffwerke, Hanau.

Skills

Languages German (native), English (fluent)
Programming Mathematica, Java, C++, Python, Matlab, OpenGL & others