Résumé of

Nicolas Höning

PhD STUDENT ~ SOFTWARE DEVELOPER

Studied and worked on system behaviour from several angles: bottom-up behavior in groups, brains and business. Knows how to program.

KEY SKILLS LISTING

- analytical, result-oriented thinking and verbalizing
- simulations of decentral systems, design of independent behaviour of agents in Multiagent Systems
- work experience with the following programming languages/dialects:
  - *advanced*   Python, XML/XSLT, PHP, Java, Java Script
  - *comfortable*   SQL, Prolog, Visual Basic, C
  - ... and the following publishing technologies: HTML/CSS, Zope/Plone, Latex

CAREER SUMMARY

Period	Position held/Degree attained	Employer/Institution	
2009 – now	PhD student	CWI	Amsterdam, NL
2009 – 2010	Senior Web Developer, Shareholder	Whitematter Labs	Osnabrück, DE
2007 – 2009	Master of Science: AI (Computational Intelligence & Self-Organisation) with grade "cum laude"	Vrije Universiteit Amsterdam	Amsterdam, NL
2006 – 2008	Research Assistant	University Of Osnabrück	Osnabrück, DE
2004 – 2007	Bachelor Of Science: Cognitive Sciences with grade "excellent"	University Of Osnabrück	Osnabrück, DE
2000 – 2004	Software Developer	RoeperWeise Systems	Gehrden, DE
2000 – 2003	Business Processing Specialist (since 2006 this is accredited as a Bachelor Of Science program)	Leibniz-Akademie Hannover	Hannover, DE
2000 – 2002	Apprenticeship as IT Specialist	IHK Niedersachsen	Hannover, DE
1999 – 2000	Civilian Service	Meeting point for the homeless	Wunstorf, DE
1999	Year 13 Higher School Certificate	Hölty Gymnasium	Wunstorf, DE

SELECTED PUBLICATIONS

- N. Höning and H. La Poutré: "*Reduction of Market Power and Stabilisation of Outcomes in a Novel and Simplified Two-Settlement Electricity Market*", IEEE/WIC/ACM International Conference on Intelligent Agent Technology (2012)
- N. Höning and Han La Poutré: "*Designing comprehensible Self-organising systems*", Fourth IEEE International Conference on Self-Adaptive and Self-Organizing Systems (2010)
- N. Höning and M. Schut: "*Modelling dynamic forgetting in distributed information systems*", Agent and Multi-Agent Systems: Technologies and Applications: Fourth KES International Symposium (KES-AMSTA), Springer (2010)
- J. Steger, N. Wilming, F. Wolfsteller, N. Höning, P. König: "*The JAMF Attention modeling Framework*", WAPCV 5th international workshop on attention in cognitive systems, Springer (2008)

GRANTS

- DAAD (Deutscher Akademischer Auslandsdienst) Scholarship for 2008/2009

PROFESSIONAL EXPERIENCE

Company: Centrum Wiskunde en Informtica
Research Assistant

Amsterdam, NL
2009 - now

The CWI does fundamental research. I work at the Intelligent Systems group with Prof. Han La Poutré on the IDeaNed project, where I research the value of flexibility when trading electricity.

Company: Whitematter Labs
Senior Web Developer, Shareholder

Osnabrück, DE
2009 - now

A spinoff-company of the University Of Osnabrück. They provide a web service that delivers visual attention prediction on websites. Website: *http://www.whitematter.de*
Achievements:
- Developed Pyramid-based Web-Application, incl. cross-browser CSS and Javascript

Company: RoeperWeise Systems
Software Developer

Gehrden, DE
2000 - 2004

A small software development company near Hannover, Germany. Website: *http://www.roeperweise.de*
Achievements:
- Designed and prototyped a software generator for business applications
- Designed and implemented a web-based reporting system
- Provided customer support (incl. development) for an individually fitted financial software

ADDITIONAL INFORMATION

Additional Work Experience/Income Positions:
CTO for the Amsterdam-based food cooperative Vokomokum
Website: *http://www.vokomokum.nl*

Voluntary Work/Awards/Memberships: Headed a local youth centre for 12 months in 1999
Licences/Languages: German driver's licence, fluent in German, English and (mostly) Dutch, some French and Russian
Interests/Sports: Guitar, Soccer