

# Nicolas Höning

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## PHD STUDENT ~ SOFTWARE DEVELOPER

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

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## KEY SKILLS LISTING

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- 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

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## CAREER SUMMARY

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<u>Period</u>	<u>Position held/Degree attained</u>	<u>Employer/Institution</u>	
2009 – now	PhD student	CWI	Amsterdam, NL
2009 – now	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

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## PUBLICATIONS

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- N. Höning and Han La Poutre: "*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)
- N. Höning, T. Kozelek and M. Schut: "*Beating Cheating: Dealing with Collusion in the Non-Iterated Prisoner's Dilemma*", Proceedings of the 20th Belgian-Netherlands Conference on Artificial Intelligence BNAIC (2008)
- 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)
- N. Höning and T. Kozelek: "*Evolving cooperation in the non-iterated prisoner's dilemma: A distributed, Small World Network inspired approach*", Proceedings of the 2nd NSVKI Student Conference (2008)

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## GRANTS

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

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## PROFESSIONAL EXPERIENCE

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**Company: Centrum Wiskunde en Informtica**

*Research Assistant*

Amsterdam, NL

2009 - now

The CWI does fundamental research. I work at the group of Multiagent and adaptive systems with Prof. Han La Poutre on the IDEaNed project, which models trading of options in power markets.

**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 Zope3/Plone3-powered 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
- Did customer support for an individually fitted financial software

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## ADDITIONAL INFORMATION

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**Additional Work Experience/Income Positions:**

Maintainer of an Open Source Web Content Management System

Website: <http://polypager.nicolashoening.de>

**Voluntary Work/Awards/Memberships:** Headed a local youth centre for 12 months in 1999

**Licences/Languages:** German driver's licence, fluent in German and English, some Dutch, French and Russian

**Interests/Sports:** Guitar, Soccer