

## *Résumé of* **Nicolas Höning**

### SOFTWARE DEVELOPER ~ PHD RESEARCHER

I am drawn to dynamic systems which are complex to manage. So far, I have worked with web applications, energy markets and brains.

#### KEY SKILLS LISTING

- Analytic, result-oriented thinking and verbalizing
- Agile team development
- Web application programming (Python, Bash, JavaScript, Continuous Integration)
- Simulations of stochastic systems, design of independent behaviour of agents in multiagent systems

#### CAREER SUMMARY

<b>Period</b>	<b>Position held/Degree attained</b>	<b>Employer/Institution</b>	
2014 - now	Lead developer	Softwear B.V.	Wormer, NL
2009 - 2016	PhD researcher	CWI	Amsterdam, NL
2009 - 2010	Senior Web Developer, Shareholder	Eyequant	Osnabrück, DE
2007 - 2009	Master of Science: Computational Intelligence & Self-Organisation (with grade "cum laude")	Vrije Universiteit	Amsterdam, NL
2006 - 2008	Research Assistant	University Of	Osnabrück, DE
2004 - 2007	Bachelor Of Science: Cognitive Sciences	University Of	Osnabrück, DE Dublin, IE
2000 - 2004	Software Developer	RoeperWeise	Gehrden, DE
2000 - 2003	Business Processing Specialist (since 2006 this is accredited as a Bachelor Of Science program)	Leibniz-Akademie	Hannover, DE
2000 - 2002	Apprenticeship as IT Specialist	IHK Niedersachsen	Hannover, DE
1999 - 2000	Civilian Service at Meeting point for the homeless		Wunstorf, DE

#### SELECTED SCIENTIFIC PUBLICATIONS

- N. Höning and H. La Poutré: "An electricity market with fast bidding, planning and balancing in smart grids", Journal of Multiagent and Grid Systems (Vol. 10, Number 3/2014), IOS Press
- 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: (KES-AMSTA), Springer (2010)
- J. Steger, N. Wilming, F. Wolfsteller, N. Höning, P. König: "The JAMF Attention modeling Framework", WAPCV 5th workshop on attention in cognitive systems, Springer (2008)

#### RESEARCH GRANTS

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

#### PROFESSIONAL EXPERIENCE

**Company: Softwear B.V.**  
Lead developer

Wormer, NL  
2014 - now

Softwear automates activities on the fashion supply chain. They provide data management for wholesalers and modern point-of-sales solutions for retailers. Achievements:

- Lead development on Python backend and transitioning it to Docker (in production)
- Strategic team management

**Company: Centrum Wiskunde en Informatica**  
Research Assistant

Amsterdam, NL  
2009 - 2016

The CWI does fundamental research in computer science. I wrote a dissertation in the Intelligent Systems group with Prof. Han La Poutré with the title: "Peak reduction in decentralised electricity systems - Markets and prices for flexible planning."

**Company: Whitematter Labs**  
Senior Web Developer, Shareholder

Osnabrück, DE  
2009 - 2010

A spinoff-company of the University Of Osnabrück. They provide a web service that delivers visual attention prediction on websites. Website: <http://www.eyequant.com>

Achievements:

- Developed a 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:

IT coordinator for the Amsterdam-based food cooperative Vokomokum Website: <http://www.vokomokum.nl>

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

Interests/Sports: History, Economics, Guitar, Soccer