

## *Résumé of* **Nicolas Höning**

### SMALL BUSINESS ENTREPRENEUR ~ SOFTWARE DEVELOPER

I have spent my career to almost equal parts in academia and commercial web development. So far, I have worked with web applications, energy markets and brains. Now on a journey to craft a modern software company that is both impactful and a humane place to work.

#### KEY SKILLS LISTING

- Analytic, result-oriented thinking and verbalizing
- 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>	<b>Location</b>
2018 – now	Owner	Seita B.V.	Amsterdam, NL
2017 – 2018	Software Engineer	Senfal B.V.	Amsterdam, NL
2014 – 2017	Lead developer	Softwear B.V.	Amsterdam, 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: Seita B.V.**  
Owner

Amsterdam, NL  
2018 - now

Seita picks the best of latest digital technology for your sustainability project, and bring it online within weeks. <http://www.seita.nl> Most notable achievement:

- Company building

**Company: Senfal B.V.**  
Software Engineer

Amsterdam, NL  
2017 - 2018

Senfal manages energy procurement by developing smart demand response services. <http://www.senfal.com> Most notable achievement:

- I automated the pumping decisions for several large water pumps.

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

Amsterdam, NL  
2014 - 2017

Softwear automates data management for fashion wholesalers and modern point-of-sales solutions for retailers. <http://www.softwear.nl> Most notable achievement:

- I led development on Python backend and transitioning it to Docker (in production).

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

Amsterdam, NL  
2009 - 2016

The CWI does fundamental research in computer science. <http://www.cwi.nl> My PhD dissertation which I wrote in the Intelligent Systems group is titled: "Peak reduction in decentralised electricity systems – Markets and prices for flexible planning."

**Company: Whitematter Labs**  
Senior Web Developer

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>

Most notable achievement:

- I developed a Pyramid-based Web-Application, incl. cross-browser CSS and Javascript.

**Company: RoeperWeise Systems**  
Software Developer

Gehrden, DE  
2000 - 2004

A software development company near Hannover, Germany. <http://www.roeperweise.de>

Most notable achievement:

- I designed and prototyped a software generator for business applications.

#### 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