

Zef Hemel

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Date of birth: 22 June 1983
Nationality: Dutch
Sex: Male

Education

<u>From</u>	<u>To</u>	<u>Kind</u>	<u>School</u>
Sept 1987	July 1995	Primary School	Dom Helder Camara/Radar, Groningen
Sept 1995	July 2001	Secondary School	Belcampo College, Groningen
Sept 2001	Feb 2005	B.Sc. Computer Science	University of Groningen
Sept 2004	July 2005	M.Sc. System & Software Engineering (<i>stopped after a year</i>)	University of Groningen
Oct 2005	Sept 2006	M.Sc. Networks & Distributed Systems	Trinity College Dublin, Ireland
Sept 2006	Present	B.A. English	University of Groningen

Academic Experience

<u>From</u>	<u>To</u>	<u>Activity</u>
May 2005	July 2005	Research internship at Software Engineering department, University of Groningen (<i>supervisor: drs. Anton Jansen</i>) Conceptual research and design of parts of the component language Archium (http://www.archium.net). Research topics: modules, component life cycles, requirements model and associated syntax. Additionally an Archium tutorial and introductory documentation was written.
April 2006	Sept 2006	M.Sc. thesis: "Middleware for Semantic Service Advertising and Discovery on MANETs" at Trinity College Dublin (<i>supervisor: dr. Siobhán Clarke</i>) Design and implementation of developer-friendly middleware for exposing and discovering semantic services (described in RDF) on Mobile Ad-hoc Networks. Implemented in Python.

Employment History

<u>From</u>	<u>To</u>	<u>Activity</u>
Oct 2002	July 2004	<p>Student-assistant at the faculty of Natural Sciences, University of Groningen.</p> <p>Developing a workflow management system using PHP and MySQL.</p>
Feb 2003	Dec 2005	<p>Co-founder MillHouse Solutions.</p> <p>MillHouse Solutions was a three-person company primarily focused on developing and selling an on-line discussion board system written in Java and JSP called KeyTopic. I developed the software.</p>
Nov 2003	Feb 2005	<p>Student-assistant at the Institute for Mathematics and Computing Science, University of Groningen.</p> <p>Student system-administrator, maintaining and installing web-servers and doing various other system-administrative tasks on Linux and other Unix systems.</p>
Mar 2005	July 2005	<p>Student-assistant at the Software Engineering department, University of Groningen.</p> <p>Supervising a team in the International Software Engineering Project. Helping ten Dutch and Swedish students completing a substantial software project from industry.</p>
Sept 2006	Dec 2006	<p>Electronic Learning Environment researcher at the Universitair Opleidingscentrum Groningen.</p> <p>Investigating and evaluating several ELO (Blackboard) tools, such as Voice Boards, portfolios and ELO branding. This also involved talking to teachers and finding out how they use the system.</p>
Jan 2007	June 2007	<p>Teacher at Computer Science department, University of Groningen.</p> <p>As a final year project of their bachelor phase, computer science students have to complete a software project from industry in a class called ISEP (International Software Engineering Project). They work in teams of Dutch students and students in Sweden (Växjö). In 2005 I supervised a team in this class, this year my role is to manage the whole course (with another teacher), which involves teaching classes, talking to students, customers and student-assistants. Additionally, I act as a quality team to some teams (using the SPiCE methodology).</p>

Volunteer Activities

<u>From</u>	<u>To</u>	<u>Activity</u>
Feb 2000	May 2002	<p>Initiator and project manager of YaBB: http://www.yabbforum.com</p> <p>YaBB is a bulletin board system developed by me and a team of volunteer software developers from all over the world. It was the first bulletin board system written in Perl available under an open source license. The project still runs and has many spin-offs.</p>

<u>From</u>	<u>To</u>	<u>Activity</u>
July 2002	Mar 2003	Chief editor of WebGoeroe, a Dutch news and content site for web developers. Now defunct.
Feb 2003	Present	Keeping a weblog with own computer-science related articles discussing emerging software technologies and trends: http://www.zefhemel.com This weblog is widely read by academics and employees of influential companies (such as IBM and Microsoft). Articles from this weblog are used in education and books.
Oct 2003	July 2005	Member of the student committee of Mathematics and Computing Science at the University of Groningen.
Oct 2004	June 2005	Advocating weblogs to university professors and researchers as a medium to communicate with students and other professors/researchers.

Technology Experience

Good active knowledge and experience: Java, Python, HTML, XML, RDF, MySQL
 Knowledge and previous experience: PHP, Perl, XSLT, .NET
 Intermediate knowledge of: C, C++, Haskell

Papers and Publications

- “Het Ideale Encryptie Algoritme” (English: “The ideal encryption algorithm”), Z. Hemel, secondary school final year project. Awarded with 2001 Jan Kommandeur Award for best paper.
- “Assembling Classes at Runtime”, Z. Hemel, P. Hut, proceedings of the second StudCol 2005, January 31 and Februari 1, 2005 Groningen.
<http://www.rug.nl/staff/r.smedinga/publications/studcol05.pdf>
- “The Politics-to-Go Handbook”, co-author of chapter 8: “Information-to-go: Citizen Journalism and Empowering Your Base of Support with Information”, published by the Institute for Politics, Democracy and the Internet, George Washington University, USA, September 2005.
- “Middleware for Semantic Service Advertising and Discovery on MANETs”, Z. Hemel, M.Sc. Thesis. Published as a Technical Report of the Computer Science department of Trinity College Dublin, 2006.
<https://www.cs.tcd.ie/publications/tech-reports/reports.06/TCD-CS-2006-64.pdf>

Academic Interests

- Software architecture
- Programming language design
- Software development platforms and paradigms
- Distributed systems
- API usability
- Operating systems
- Social internet software

References

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Prof. dr. ir. Jan Bosch

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