

Davy Landman

Education

- 2009 – 2011 **Master Software Engineering**, *University of Amsterdam*, Amsterdam.
For my master thesis, at the Centrum Wiskunde & Informatica, I compared (dynamic analysis based) feature location techniques.
- 2003 – 2007 **Bachelor Computer Science**, *Hogeschool Zuyd*, Heerlen.
For my bachelor thesis, I developed a digital request system for physicians to order clinical diagnostic testing performed by the department of Clinical Neurofysiology of the University Hospital Maastricht. This development was used as a test case for applying Test Driven Development.
- 1998 – 2003 **Havo Natuur en Techniek**, *Trevianum Scholengroep*, Sittard.

Work experience

- 2011 – present **PhD Student**, *Centrum Wiskunde & Informatica*, Amsterdam.
I am part of the SWAT (SEN1) team working on improving Software Engineering using Domain Specific Languages.
- 2007 – 2011 **Junior software engineer**, *University Hospital Maastricht*, Maastricht.
I am part of a team of four developers, aimed primarily on developing and maintaining business process supporting software systems.
Experience:
- Creating (and maintaining) new software systems, from requirement analysis to acceptance testing
 - Responsible for introducing new technologies or principles, and integrating into current architecture or practice
 - Providing technical support for colleagues
 - Improving the quality of our software
 - Communicating with external systems such as SAP, HAL7, web services and legacy hospital system
 - Providing technical supervision for bachelor students from the HBO Informatica
 - Primary techniques: .NET Framework 2-4, C# 2-4, Javascript, Entity Framework 1&4, MSSQL 2000-2008, ASP.NET MVC 1&2, jQuery, AJAX, HTML, CSS, Delphi, ASP.NET Web Forms, Win Forms
- 2005 – 2007 **Programmer (part-time)**, *University Hospital Maastricht*, Maastricht.
I developed scientific research supporting software and maintained a mission-critical system for 10 hours a week parallel to my study.
Experience:
- Developing software in an ever changing scientific environment
 - Automating several labor expensive processes
 - Maintaining a primary process supporting software system, evolved in 15 years by students
 - Providing technical supervision for bachelor students from the HBO Informatica
 - Primary techniques: Delphi, Borland ASM, MATLAB, C#, C++, Windows API, real-time programming, multi-threading

2002 – 2003 **Freelance windows developer**, *Finfleur Automatisering*, Sittard.

Developing a florist's frequent customer application to allow faster ordering of bouquets. The application integrated with the florist's order management system and allowed skinning possibilities.

Experience:

- Integrating with external systems
- Skinnable UIs
- Internet based communication
- Primary techniques: Delphi, SMTP, Visual Basic

Technical skills

Programming
and scripting
languages

C#, Java, Ruby, Rascal, Javascript,
L^AT_EX, Delphi, MATLAB, C, C++, Bor-
land ASM and Alloy

Frameworks

.NET, ASP.NET MVC, LINQ, Entity
Framework, jQuery, xUnit, MSTest,
Moq, Mockito, VCL, ANTRL, Proto-
col Buffer, Intel IPP, Windows API and
Winforms

Tooling

Visual Studio 2005-2010, Microsoft SQL
Server 2000-2008, Eclipse 3.x, Matlab 6-
2010, gVim 7.3, Chrome, Firefox, Team
Foundation Server, Git, Mercurial and
Virtual Box.

Operating
systems

Windows, Linux, Windows CE, Windows
Mobile and MS-DOS

Language

Dutch Native

English Fluent

Hobbies

Squash, running, photography, reading, programming