

Hani Alers

Designer & Researcher

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Profile

I have always enjoyed programming. Debugging a faulty program feels like a puzzle and solving it to me is a fun mental exercise. I also like working with teams. With an ability to coordinate tasks and experience in project management, I am able to maintain a professional, friendly, and productive working environment with colleagues and partners.

Diploma

MSc in Media and Knowledge Engineering, TU Delft, The Netherlands

Work Experience

Owner / Manager, Hanike Design and Photography

2004 - today

Activities include developing websites, generating HTML, Javascript, and PHP code needed to achieve desired site interactivity. Programming interactive web application. Designing 2D and 3D graphics and conducting photo shoots. www.hanike.nl

Technical Coordinator, Dun & Bradstreet

2013 - 2014

Activities include developing web-based systems for automated large scale data management. Building and maintaining data processing systems. Coordinating international development projects. Training trade team to use new ICT systems.

Project Manager, European consortium for Care@Home project, Delft University of Technology (TU Delft)

2012 - 2013

Representing the TU Delft as the project leaders in a consortium of 11 European companies/universities. The Care@Home project is developing healthcare, social, and entertainment tools aimed at seniors. www.careathome-project.eu

PhD researcher, Interactive Intelligence Group, TU Delft

2007 - 2012

Research performed in collaboration with Philips Research to investigate image quality perception. Work involves programming display and eye-tracking hardware to conduct perception experiments, writing MATLAB code needed to analyze large data.

Teach. assistant, Man Machine Interaction Group, TU Delft

2006 - 2007

Teaching Human Computer Interaction "Intelligent User Experience Engineering". Tasks include giving lectures teaching User Interaction, constructing educational tools, supervising students' work and evaluating their progress.

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Education**M.Sc. in Media and Knowledge Engineering at the TU Delft** **2005 - 2007**

Courses included practical programming projects which required (for example) constructing 3D virtual worlds with a realistic physics engine, MATLAB coding for image processing applications, programming database search and optimization tools.

B.Sc. in Electrical Engineering at the TU Delft (in Dutch) **2000 - 2005**

Courses included 'Object oriented programming C++' coupled with a practical project, 'Structure of computer programs' coupled with practical project, 'Hardware description language VHDL', project within a group of 12 students, and many other projects including programming tasks.

University qualification program at the TU Delft (in Dutch) **1999 - 2000****Dutch language course "Delftse Methode" at the TU Delft** **1998 - 1999****Summary of Qualifications**

- Can speak and write fluently in English (excellent), Dutch (good).
- Programming and coding skills in many languages, including C++, Java, Lisp, HTML5, CSS, Javascript, and VHDL. Can also work with PHP and MySQL.
- Experience with professional web development tools, including Dreamweaver, and Wordpress. Hands on experience with building interactive websites and CMS tools.
- Experience with 2D and 3D graphic design tools including Photoshop, Illustrator, Blender, and many others.
- Expert knowledge of photography, working with studio equipment, post processing

Skills and interests

- Cofounded HEXgroup.nl, a technology exploitation group to address societal needs for supporting seniors citizens, working together with the public and municipality of Delft.
- Participating in design challenges where a group of designers gather for rapid sessions of creative problem solving and rapid prototyping of desktop and mobile applications.
- Talented in photography, creating memorable images from ordinary things. Also enjoy taking videos of everyday situations that capture my interest.
- Teaching and giving technical talks in international conferences.
- Exceptional presentation and writing skills aided by a strong command of the English language, and clever use of illustrative media, and a talent in story telling.
- Following up on the latest in technological developments both in hardware and software, and incorporating them into my professional and personal life.