

Thijs van As - Curriculum Vitae

PERSONAL INFORMATION

◇ **Thijs van As**

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Date of birth: November 2, 1983

EDUCATION

◇ **Delft University of Technology**, Delft, The Netherlands (09/2002 – 09/2008)

MSc. (ir.) in Computer Engineering, September 2008.

Specialization: *Embedded & reconfigurable computer architectures, VLSI*

Extra courses in Economics and Business Models.

MSc project: *ρ -VEX: A reconfigurable and extensible VLIW processor. My research resulted in a scientific paper. Graded 9 out of 10.*

More information at <http://r-vex.googlecode.com/>

BSc. in Electrical Engineering, March 2007.

BSc project: *Implementing live video capturing on a XUP-V2P FPGA board. Graded 9 out of 10.*

◇ **Stedelijk Gymnasium Schiedam**, Schiedam, The Netherlands (09/1996 – 06/2002)

Gymnasium (VWO) Diploma, June 2002.

Specialization: *Science & Mathematics, complemented with Economics and Latin*

Final project: *Implementing a digital calculator with analog electronics.*

STUDY RELATED ACTIVITIES

◇ **Microsoft Imagine Cup 2007**, Embedded Development contest (11/2006 – 08/2007)

With the LimeWorks team we developed the LimeBox, an embedded solution that enables young children to communicate with each other in their own native language and a webcam. We reached the worldwide semi-finals.

◇ **Education Commission of Computer Engineering and Embedded Systems**, Delft University of Technology (09/2006 – 09/2007)

The education commission advises about rules and regulations of the Computer Engineering and Embedded Systems education programs at Delft University of Technology.

◇ **System Operator**, Stedelijk Gymnasium Schiedam (03/1997 – 08/1999)

I was voluntarily involved as a system operator on the school's Novell Netware 3 network.

WORK EXPERIENCE

◇ **Technology Consultant**, ASK Community Systems (01/2009 – Present)

Providing technological support for the starting US branch of ASK Community Systems in Albuquerque, NM. Covers operations, sales support, project management and software engineering (design and development of the JustASK communication application).

◇ **Software Developer**, ASK Community Systems (08/2007 – 12/2008)

Developing (web-)applications to enhance interfacing between the ASK agent-based software platform and customer-side applications.

- ◇ **Owner, Developer**, Parallel Avenue (09/2006 – 08/2008)
Freelance webdesign and development.
 - ◇ **Salesman**, IMPACT Retail B.V. (08/2003 – 09/2007)
Selling and giving advice about consumer electronics like televisions, computers and hifi audio in several large It's and Modern Electronics stores. Responsible for the whole sales process.
 - ◇ **Several jobs**, (03/1997 – 03/2004)
Mortgage callcenter salesman, air conditioning technician, library clerk, paperboy.
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SKILLS

- ◇ Strong analytical skills
 - ◇ Very committed, highly focused
 - ◇ Teamplayer
 - ◇ Human languages:
 - English: fluent reading, writing, conversating
 - Dutch: fluent reading, writing, conversating
 - French: average reading, conversating
 - German: average reading, conversating
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TECHNICAL
SKILLS

- ◇ Computer Languages:
 - Software: *C, Java, C#*
 - Hardware: *VHDL*
 - Assembly: *x86, MIPS, 8051, VEX*
 - Scripting: *perl, bash, Make, Matlab*
 - Web: *(X)HTML, CSS, PHP, JavaScript, MySQL*
 - ◇ Operating systems: *Linux, MacOS X, Microsoft Windows & DOS*
 - ◇ CAD: *Xilinx ISE, Xilinx EDK, Mentor Graphics Modelsim, Altera Quartus, Synopsys Synplify Pro*
 - ◇ Office: *L^AT_EX, Microsoft Office*
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INTERESTS

- ◇ Computing:
 - Microprocessor design (Instruction Level Parallelism)
 - Reconfigurable computing (Field-Programmable technologies)
 - Embedded computing
 - Computer architecture
 - Hardware/software co-design
 - Software architecture
- ◇ Designing hardware applications for my Xilinx Spartan-3E FPGA development board
- ◇ Physics, mathematics
- ◇ Listening to & making music (drums, guitar, violin)
- ◇ Philosophizing about obscurities in life
- ◇ Board games
- ◇ Webdesign/development
- ◇ Traveling

◇ Reading

WORKSHOPS ◇ Synopsys Synplify Pro training.

MISC ◇ European driver's license B

REFERENCES Available on request.

Publications

- [1] S. Wong, T. van As, and G. Brown, " ρ -VEX: A Reconfigurable and Extensible Softcore VLIW Processor," *International Conference on Field-Programmable Technology, 2008. ICFPT 2008.*, December 2008.
- [2] T. van As, " ρ -VEX: A Reconfigurable and Extensible VLIW Processor," Master's thesis, Delft University of Technology, September 2008.
- [3] T. van As and S. Krijgsman, "Project HELIOS: Live Video Capturing on the XUP-V2P FPGA Board," Bachelor's thesis, June 2006.