

# Curriculum Vitae

## Personal information

Name Anton Bilos B ICT  
Given name Bart  
Birth Date 14 June 1981  
E-mail a(point)bilos(at)student(dot)tue(dot)nl  
Nationality Dutch  
Marital State Single

## Education

1994 - 1998 MAVO (Preparatory Middle-level Education). Catholic school federation, in Etten-Leur. Subjects: English, Dutch, German, Mathematics, Physics, Chemistry  
1998 - 2002 MBO (Middle-level Vocational Education) Computer Science, Da Vinci College, in Dordrecht. Profile: Office automation, Additional classes mathematics for higher education.  
2002 - 2005 HBO (Higher Professional Education) Computer Science, Avans hogeschool, in Breda. Bachelor in Computer Science and information technology, Profile: Embedded systems  
2005 - 2009 WO (Scientific Education) Technical university of Eindhoven. Master of embedded systems.

## Work experience

Function MBO graduation internship 2002  
Duration 6 months  
Employer Teledirekt B.V., in Alblasterdam  
Activities Software development and maintenance of current software packages

Function HBO graduation internship 2005  
Duration 6 months  
Employer Rommens apparaten en instrumenten bouw B.V., in Bergen op Zoom, Currently Rommtech electronics B.V. in Halsteren  
Activities Embedded software engineer: The graduation project was a test case in which several techniques were demonstrated like: self organizing networks, wireless communication, time critical processes, individual project management, documentation and execution.

Function Student assistant electronic atelier, 2008 through 2009  
Duration 1.5 Year  
Employer Eindhoven University of Technology, Department of Industrial Design  
Activities Assisting students with electronic problems of their projects, creating tutorials and documentation for students to follow, creating small software libraries for MSP430, AVR, and PIC micro microcontrollers.

Function	University Master Thesis
Duration	6 months
Employer	Eindhoven University of Technology, System Architecture and Networking research group.
Activities	Implementation and development of a traffic aware and energy efficient MAC protocol for wireless sensor networks. Integration of the protocol into the current hardware/software platform. Experiments and measurements of improvements.

## Skills

Languages	English (Excellent) Dutch (Excellent) Croatian (Average)
Programming	C, (Excellent) Assembler (X86, ARM, AVR, MIPS, MSP430, 8051), (Excellent) C++, (Average) Java, (Average) Verilog, (Good)
Tools	GCC toolchain (GCC, make, binutils, GDB) C/C++ programming with the following development environment: Code::blocks IDE, Eclipse CDT, programmers notepad, VIM
CAD	PCB CAD design with Eagle (Average) and zuken Cadstar (Beginner)
FPGA	Programmable logic design flow with Xilinx ISE 6.3 trough 10.1
Methodologies	RUP (Rational Unified Process), Petrinets and abstract statemachines, Formal methods in computer science
Scientific writing	Written a few papers on various topics, proficient with L <sup>A</sup> T <sub>E</sub> X.

## Personal data

Hobbies	Computers, internet, electronics, programming, robotics, movies, geology and chemistry.
Interests	Microcontrollers and embedded systems. I like to create small electronic projects as a hobby.
Wanted activities	Software/Hardware development and research for embedded systems.
Job motivation	My curiosity and drive for knowledge makes me look for a job that is interesting, varied, and where I can fully develop myself in various fields. The things I find most important about my job is a wide selection of subjects and projects. I would like to work at a company that is innovative and actively improves the knowledge of its employees. I have an uncommon skill-set of both a vocational and academic education in a very broad field of embedded systems, that encompass both electrical engineering and computer science.

February 12, 2009