

Curriculum vitae

Jeroen Hofman

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Date of birth: 25 May 1989
Place of birth: Tiel, The Netherlands
Nationality: Dutch

Education

2011 - 2013: MSc Grid Computing: Computational Sciences, University of Amsterdam, Amsterdam
Developing tools for modeling and simulation applied to a wide variety of areas, ranging from biology to finance.
Cum Laude, Key Courses:

- Numerical Algorithms
- Stochastic Simulation
- Advanced Selforganisation
- Concurrent Programming
- Scientific Computing (Finite Difference methods on partial PDE's)
- Computational Biology
- Computational Finance & Finance-related courses
- Data Mining Techniques
- Complex System Simulation

Thesis: A GPGPU application for pricing of single premium variable annuities at ING (see below).

2010 - 2011: MSc Applied Physics, Delft University of Technology, Delft (not finished)
Various courses related to advanced quantum mechanics, biophysics and applied mathematics.

Summer 2010: Summer school Theoretical Physics, Utrecht Summer School, Utrecht
With honor, two week intensive courses on major topics in theoretical physics.

2007 - 2010: BSc Physics and Astronomy, University of Utrecht, Utrecht
Cum laude, Thesis: Charm Quark Quenching Weights in a Quark-Gluon Plasma.

2001 - 2007: VWO, RSG Lingecollege, Tiel
Nature & Technology with Economics and Informatics.

Employment history

Nov. 2012 - Aug. 2013:	Internship at ING bank, Amsterdam Developing a GPGPU application for the pricing of single premium variable annuities. I extended an existing prototype and transformed it to be suitable for GPU computing, working together with the Treasury and Risk Management departments.
Sept. 2012 - Feb. 2013:	Tutor for 2nd-year bachelor students, University of Amsterdam, Amsterdam Coaching students in academic performance and workflow.
Sept. 2010 - Feb. 2011:	Teaching assistant experimental physics, University of Utrecht, Utrecht Guiding/grading bachelor students in various physics experiments.
2009:	Coach, Studentsplus Bijlessen, Utrecht Tutoring secondary school students in mathematics and physics.

Skills

Languages	Dutch: native fluency English: good fluency Spanish: intermediate fluency
Computer	Software: Microsoft Office, Matlab, Mathematica, Emacs, NetBeans, Ubuntu/CentOS (Linux) Languages: Python, C, C++, Java, CUDA

Miscellaneous

July 2012:	2 months backpacking solo through Australia
Sept. 2011 - present:	Member of education committee of Informatics, University of Amsterdam, Amsterdam Discussing and evaluating the quality of education in informatics.
May 2010:	Participant in PION 2010 National physics contest among bachelor students (4th place).
May 2009:	Participant in PION 2009 National physics contest among bachelor students (6th place).

Career interests

Scientific computing, complex networks, information theory, computational finance, GPU computing, parallel computing, complex systems, algorithms, applied mathematics, numerical analysis.

Personal interests

Traveling, jogging, swimming, spinning, playing piano, studying languages (Spanish), meteorology, international news.

Excellent references available on request.