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Martijn Bakker

Haarlem, February 5, 1995

Education

- 2015 – 2016 **MPhil in Advanced Computer Science**, *University of Cambridge*, Cambridge, With Distinction.
The MPhil ACS is a degree featuring both courses and a significant research aspect, designed to prepare students for doctoral research. My research project is on modifying Google's V8 JavaScript engine to employ automatic multithreading optimizations
- 2012 – 2015 **Advanced Technology**, *University of Twente*, Enschede, Cum Laude with Honours.
Advanced Technology is a broad engineering BSc programme, including mechanical and electrical disciplines. The programme also includes the commercial and social aspects of the technologies. I specialised in the field of Computer Science through additional and elective courses.
- 2014 **International Summer School**, *The Chinese University of Hong Kong*.
'International Business' and 'Evidence-Based Human Resource Management', attaining grades A and A-.
- 2013 – 2015 **Honours programme, design track**, *University of Twente*, Enschede.
The honours programme is offered to the top 5% of UT students. It covers academic skills and the analysis and creation of designs for society in depth.
- 2013 **Excellence stream**, *University of Twente*, Enschede.
The excellence stream is an additional course covering more advanced mathematics, offered by the UT to top students

Work Experience

- 2016 **Jump Trading International**, *London*.
Software Engineering Internship - developing internal tools in C++ and Python.

Teaching

- 2015 **Course developer – Concurrent programming**, *Dr. M. Huisman – University of Twente*.
Development of course materials for the course 'Concurrent Programming', offered to sophomore Computer Science students as part of the module 'Programming Paradigms'.
- 2015 **Teaching assistant – Intelligent Interaction Design**, *Dr. M. Theune – University of Twente*.
Guiding tutorial sessions and checking assignments for the course on artificial intelligence.
- 2014 & 2015 **Teaching assistant – Advanced Engineering**, *Dr. R.M.J. van Damme – University of Twente*.
Guiding seminars and tutorial sessions on applications of differential equations in electronics and mechanics.

- 2014 **Lab supervisor – Thermodynamics**, *Dr. H.K. Hemmes – University of Twente*.
Guiding laboratory work and grading of the resulting lab journals.

Extracurricular activities

- 2014 **Netherlands Asia Honours Summer School**, *Hong Kong & Shanghai*.
The NAHSS is a unique interdisciplinary program for 100 Dutch top students which contains 4 main aspects: attending a summer school, visiting both Dutch and Asian companies, gaining acquaintance with the cultures and conducting research commissioned by a NAHSS partner company, for me, KPN: "How can ICT aid in keeping elderly at home for longer, both in Holland and in China?".
- 2013 – 2014 **Commissioner of Music**, *Musica Silvestra Orkest*, Enschede.
As board member, I handled selecting, obtaining and distributing sheet music to the members alongside with arranging concert locations.
- 2011 **IELTS**, Amsterdam.
International English Language Testing System, band 8/9.
- 2010 **EUSO**, Nijmegen.
Third place at the national qualifiers for the European Union Science Olympiad.

Additional interests

- 3D Creating (photorealistic) 3D models and animations, using Blender, 3ds Max and Photoshop
- Bassoon Played since age 9
- Sea scouts Organizing activities, including summer camps (Czech Republic, 2011 and Croatia, 2012)

Languages

- Dutch Native
- English Fluent
- French Basic proficiency
- Programming C/C++, Python, Matlab, Mathematica, Java, JavaScript and HTML/CSS.