

Curriculum Vitae

Personal Data

Name **T.F.H. (Tom) Runia**
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Summary

I am currently PhD candidate in Artificial Intelligence at the University of Amsterdam under supervision of Cees Snoek. The focus of my research is deep learning for video analysis. Our QUVA lab is a collaboration between the UvA and Qualcomm Research.

Education

2016 – present	PhD Candidate in Artificial Intelligence , University of Amsterdam <ul style="list-style-type: none">• Deep learning for video analysis under supervision of Prof. Cees Snoek
2013 – 2015	Master of Science (MSc) in Computer Science , Delft University of Technology <ul style="list-style-type: none">• Thesis: High-Speed Object Detection, supervised by Prof. Marco Loog (9.0/10)• Track: Media and Knowledge Engineering (Intelligent Information Processing)• Grade Point Average: 8.5/10 (Cum Laude)
2011 – 2012	Bridging Program to Computer Science , Delft University of Technology <ul style="list-style-type: none">• 30 ECTS of courses on Computer Science and Software Engineering
2008 – 2011	Bachelor of Science (BSc) in Applied Physics , Delft University of Technology <ul style="list-style-type: none">• Thesis: Image Processing Techniques for Automated Cell Counting (8.0/10)• Minor: Software Design and Implementation• Grade Point Average: 7.5/10
2002 – 2008	Secondary School: Preparatory Scientific Education (VWO) <ul style="list-style-type: none">• Bonaventura College Leiden, The Netherlands• Science and Technology complemented with Economics and Biology

Professional Experience

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| 2014 – 2015 | Research Intern at TomTom
<i>Product Lab, Eindhoven, The Netherlands</i>
Graduate internship on computer vision and machine learning. My research focused on high-speed object detection for autonomous driving applications. This involved the design and implementation of high-performance computer vision algorithms using C++ and GPU programming (OpenCL). |
| 2013 – 2015 | Software Engineer at Tam Tam
<i>Operational Services, Delft, The Netherlands</i>
Tam Tam is in the top three of full-service internet agencies in The Netherlands. As a back-end developer at the operational services group I worked on some of the larger websites in the country. |
| 2012 – 2013 | Student Assistant at Delft University of Technology
Research assistant in the Quantitative Imaging group at TU Delft. One of my tasks involved the implementation of image processing algorithms in Java for super-resolution microscopy. |
| 2009 – 2010 | Software Engineer at Innovative Design Delft
Innovative Design Delft is a small company focusing on data management systems and security. During my study, one day a week I worked on various projects as back-end developer. |

Extracurricular Activities

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| 2014 | Study Trip ‘Learning from Silicon Valley’
Study trip to Silicon Valley for ten entrepreneurial minded students of the TU Delft. We performed a number of cases on innovation and entrepreneurship in Silicon Valley in preparation for our visit to California. There was a strict selection procedure and the TU Delft sponsored the entire trip. |
| 2012 – 2013 | Secretary of the Study Association for Applied Physics
Full-time board position at the Study Association for Applied Physics (VvTP). For our work the TU Delft rewarded the board members each with a 1 year scholarship. One of my core contributions was the complete renewal and implementation of the member administration system of the association. |

Extracurricular Activities (Continued)

2009 – 2012

Various committees at the Study Association for Applied Physics

- President of the website committee (Webcie)
- President of the technical committee (E-cie)
- Editor and designer of the quarterly magazine 'De Physicus'

Computer Skills

Operating Systems	Linux, Mac OS, Windows, Android, iOS
Languages	C++, Java, Python, C#, Javascript, HTML/CSS, SQL, OpenGL, OpenCL
Scientific Software	Matlab, OpenCV, NumPy, iPython, Matplotlib, TeX, SPSS, ImageJ, TensorFlow, Caffe, Theano, Keras, CUDA
Research Areas	Computer Vision, Machine Learning, Deep Learning, Image Processing

Languages

Dutch	Native Proficiency
English	Fluent Proficiency
French & German	Elementary Proficiency

Interests and Activities

Cycling, Traveling, Reading, Movies, Electronic Music, Typography, Business & Economics