

Personal Information

Name	Tom F.H. Runia
Date of Birth	July 1990 (Leiden, The Netherlands)
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Summary

I am currently **PhD student** at QUVA Deep Vision lab, working on deep learning for computer vision. The focus of my research is on developing efficient video representations using deep learning. For more information, please see: <https://ivi.fnwi.uva.nl/quva/>

Education

- 2016 – Present **Doctor of Philosophy (PhD.) in Artificial Intelligence**
- QUVA Deep Vision Lab: University of Amsterdam and Qualcomm
 - Deep Learning for Learning Video Representations
 - *Advisors:* Cees Snoek and Arnold Smeulders
- 2013 – 2015 **Master of Science (MSc.) in Computer Science**
- Delft University of Technology
 - *Track:* Intelligent Information Processing
 - *Thesis:* High Speed Object Detection, supervised by Prof. Dr. Marco Loog
 - *Grade Point Average:* 8.5/10 (Cum Laude, *i.e.* with honors)
- 2011 – 2012 **Bridging Program to MSc. Computer Science**
- Delft University of Technology
 - 30 ECTS of courses in Computer Science and Software Engineering
- 2008 – 2011 **Bachelor of Science (BSc.) in Applied Physics**
- Delft University of Technology
 - *Thesis:* Image Processing for Automated Cell Counting
- 2002 – 2008 **Secondary School:** Preparatory Scientific Education (VWO)
- Bonaventura College Leiden, The Netherlands
 - Science and Technology complemented with Economics and Biology

Professional Experience

- 2014 – 2015 **Research Intern at TomTom**
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.
- 2013 – 2015 **Software Engineer at TamTam** (now Dept)
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 **Research 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 **Research Assistant at Delft University of Technology**
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.

Miscellaneous

Awards

- Rewarded the **Ngi-NGN Award** in Computer Science for my MSc. Thesis (€1,000)
(From: The Royal Holland Society of Sciences and Humanities)

Teaching

- MS. Course **Deep Learning** at University of Amsterdam (2017)
- BSc. Course **Information Visualization** at University of Amsterdam (2016)
- Supervising BSc. and MSc. Student projects in Artificial Intelligence

Conference and Journal Reviewing

- **PAMI**: IEEE Transactions on Pattern Analysis and Machine Intelligence (2016, 2017)
- **NIPS**: Neural Information Processing Systems (2016, 2017)
- **CVPR**: Conference on Computer Vision and Pattern Recognition (2016, 2017)

- **ICCV:** International Conference on Computer Vision (2017)
- **ECCV:** European Conference on Computer Vision (2016)
- **ACM MM:** ACM Multimedia (2016)

Extracurricular Activities

- **Full-Time Board Member** of the Study Association for Applied Physics (2012–2013)
- **Study Trip** to Silicon Valley (visiting Google, Apple, Twitch and more)
- **President** of the Website Committee at the Study Assoc. for Physics (2010–2012)
- **President** of the Electronic Committee (2008–2012)
- **Editor** of the Quarterly Magazine "De Physics" for the Physics Study Association (2010)

Languages

- **Dutch** (Native Proficiency)
- **English** (Fluent Proficiency)
- **German** (Elementary Proficiency)
- **French** (Elementary Proficiency)

References

Available on request.