## Personal Information

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|---|---|
| Name | **Tom Runia** |
| Place of Birth | Leiden, The Netherlands |
| Address | Amsterdam, The Netherlands |
| Telephone | « please send an e-mail first » |
| E-mail | tomrunia@gmail.com |
| Website | https://tomrunia.github.io |
| LinkedIn | https://www.linkedin.com/in/tom-runia-29448435/ |

## Summary

I'm currently PhD student at QUVA Deep Vision lab, working on deep learning for computer vision. The focus of my research is on understanding and developing ideas around machine learning for video analysis. 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 Video Analysis
- *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.

## Education

### 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

- BSc. Course **Information Visualization** at University of Amsterdam
- Supervising BSc. and MSc. student projects in Artificial Intelligence

## Conference and Journal Reviewing

- **PAMI:** IEEE Transactions on Pattern Analysis and Machine Intelligence
- **NIPS:** Neural Information Processing Systems
- **CVPR:** Conference on Computer Vision and Pattern Recognition
- **ICCV:** International Conference on Computer Vision
- **ECCV:** European Conference on Computer Vision
- **ACM MM:** ACM Multimedia

## Extracurricular Activities

- **Full-Time Board Member** of the Study Association for Applied Physics (2012–2013)
- **Entrepreneurial Study Trip** to Silicon Valley (visiting Google, Apple, Twitch and more)
- **Chairman** of the Website Committee at the Physics Study Association (2010–2012)
- **Chairman** of the Electronic Committee at the Physics Study Association (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)