

# Martijn F. W. van der Veen

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## PERSONAL

*Born:* 4th August 1989  
Amsterdam (Dutch Nationality)  
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## PROFESSIONAL EXPERIENCE

### **Co-Founder at Zazzy**, Amsterdam, The Netherlands

*March 2013 - Present*

Building an end-to-end platform for easily designing and personalising products. Build on top of professional 3D printing services. Full platform includes easy design wizard, custom e-Commerce platform, production, assembly, and drop-shipping.

- Hired and built a team of 8+ people
- Raised angel capital (from founders of eBuddy, Hyves, vakantievelingen, a.o.)
- Introduced 3D printing to Dutch market together with HEMA (largest Dutch non-food retailer)
- Developed state-of-the-art software for custom product design: on-the-fly printable 3D models and instant photo-realistic renders, converting customer images into producible products
- Designed and set up scalable render farm
- Part of Rockstart Accelerator 2013

Technologies: Django, Blender, OpenCV, Python (NumPy, Scrapy, Flask), MySQL, MongoDB, Docker, Wercker (CI), Sentry, PHP, REST APIs, websockets, Google Cloud Platform, Azure Cloud, Kissmetrics, 3D printers, CAD design

### **Engineer (Volunteer) at The Things Network**, Amsterdam, The Netherlands

*August 2015 - Present*

Building a crowd-sourced open data-network for the Internet of Things

- Implemented main website & community portal
- Worked with team on global expansion (global community, global network)
- Built first prototype (featured on Dutch national news)

Technologies: Django, Docker, Arduino, C, Go

### **Engineer at Stichting Studiebegeleiding Leiden**, Leiden, The Netherlands

*August 2009 - March 2013*

- Designed and implemented main websites and internal tools
- Managed online advertisement campaigns

Technologies: PHP, MySQL, Python, VBA

## TECHNICAL SKILLS

- Solid Experience in Computer Vision (3d reconstruction, depth vision, image processing) and Computer Graphics (3D models, rendering engines), DevOps (cloud / server setup & management, CI), Web Development (Backend, some Frontend), Artificial Intelligence / Machine Learning, Algorithm design
- Computer languages: C, C++, Python, Java, JavaScript, PHP, SQL, PROLOG
- Solid Experience with Tools/Libraries: Unix/Linux and CL, git, Matlab, OpenCV, OpenGL, PCL, Django, Flask, Blender, NumPy, MySQL, MongoDB, Docker, Wercker (CI), Sentry, REST APIs, websockets, Google Cloud Platform, Azure Cloud, Arduino, 3D printers
- Some experience (*side-project, book, mooc*): Go, Scala, Ruby, Clojure, Erlang, Meteor, ReactJS, Unity3D, GPUs, VHDL

## EDUCATION

**University College London**, London, United Kingdom

MSc. Computer Graphics, Vision and Imaging (with distinction)

*September 2011 - September 2012*

Dissertation topic: Automatic 3D reconstruction of difficult outdoor scenes

**University of Amsterdam**, Amsterdam, The Netherlands

BSc. Artificial Intelligence (with distinction, with honour)

*September 2008 - August 2011*

Dissertation topic: Autonomously navigating drones (trained with reinforcement learning)

**University of Technology Delft**, Delft, The Netherlands

Electrical Engineering (half of BSc; extra during BSc AI)

*September 2009 - August 2011*

**Eerste Christelijk Lyceum**, Haarlem, The Netherlands

Grammar school (Gymnasium) - Nature and Technology & Nature and Biology

*September 2002 - July 2008*

## HOBBIES AND INTERESTS

I enjoy DIY projects which combine creativity, electronics and software. I have been a member of various so-called 'hackerspaces' or 'makerspaces' that facilitate the birth, making and sharing of new, creative (often technical) ideas. I love solving difficult challenges, but with a purpose.

From September 2012 - September 2013 I was **Board member** (vice-chairman) of Student Association Liber Amsterdam, responsible for organisation of activities for 100 members.