

Erik Hagedaars

Curriculum vitae

Education

- 2017 - current **MSc Electrical Engineering: Signals & Systems**, *TU Delft*.
With a focus on Digital Signal Processing.
- 2013 - 2017 **BSc Electrical Engineering**, *TU Delft*.
Graduated with an internship at [KPN New Business](#) .
- 2010 - 2013 **Technasium**, *RSG 't Rijks*.
A special technical education with a thesis at [Weyts Architecten](#) .
- 2007 - 2013 **VWO (pre-university education)**, *RSG 't Rijks*.
Graduated with an extra music course.

Bachelor thesis

- Title *Smart sensors and communication using IoT in supermarkets* .
- Supervisors J. Hoekstra (TU Delft), P. Marcelis (KPN), B. Frens (KPN)
- Description A smart shelf managing and monitoring system in supermarkets using IoT. With focusing aspects on a wireless, low power device while being non-intrusive. The device is able to monitor the quality and quantity of the fruit.

Experience

- 2018 - current **Intern**, *Witteveen+Bos*, Den Haag.
Full-time: Designing a modular measurement platform.
- 2017 - 2017 **Graduate Intern**, *KPN*, Den Haag.
Full time: Development of a Smart Sensor in supermarkets.
- 2015 - current **Trainer**, *Fun met Electronica*, Bergen op Zoom.
Flexible: Trainer for high-school teachers on various technical subjects:
- Arduino (Basic and Intermediate level);
 - App Inventor (MIT);
 - 2D and 3D sketching;
 - Internet of Things
- 2013 - 2017 **Operator**, *HaZaCom*, Tholen.
Part-time: Operating a high-temperature extruder for recycling plastics.

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Extra curriculum activities

- 2016 - current **Local Committee Delft**, *President*, [EESTEC](#).
I have maintained the international relationships between Electrical Engineering studies across Europe and organised a one-week workshop for these international students.
- 2013 - 2014 **Winter Activities Committee**, *Secretary*, [ETV](#).
Recreation is important for a healthy mind. This committee organised multiple recreational events for the students of Electrical Engineering.

Languages

Dutch	Native speaker	<i>from birth</i>
English	Fluent	<i>7 years of education</i>
German	Good command	<i>5 years of education</i>

Skills

- Programming** During the Minor, I have learned various programming languages including web development languages, OOP based languages and variations of C. During the Bachelor I specialised in MATLAB, VHDL and Python. A full list is mentioned below.
- Reports** Currently, all of my reports are written in [L^AT_EX](#) (including this CV). Microsoft Office programs are common for me as well.
- Arduino** I practise [Arduino](#) almost weekly by my own projects or from my Trainer job. This way, I keep up with the new technology available to the public.
- Licenses** Along a driving license, a forklift truck license during my work as a Operator. Patience and precision is needed.

Programming Languages

Front-end	HTML, CSS, Javascript	Back-end	PHP, NodeJS, MySQL
C talen	C, C++, C#	OOP	Java
Overig	Python, Arduino	Hardware	VHDL, Eagle

Interests

Interests of my include playing the acoustic guitar. Participating in soccer or other competitive team-sports. And creating small programming projects to improve certain languages.

Personal Profile

I'm a curious and self-motivating person who will gather his own information when some topics are unknown. My main motivation comes from my personal interests which include mathematics and new technological developments. I have proven to work excellent with other people during projects and tutoring lessons. I strive for challenges and improvement of myself.

References

- Trainer **F.C.M. Hagnaars**, *Fun met Electronica*, mobiel: +31 (6) 2022 1081.
<http://www.funmetelectronica.nl/>
- Operator **C.W. Hartog**, *HaZaCom*, mobiel: +31 (6) 1277 1231.
<http://www.hazacom.nl/>