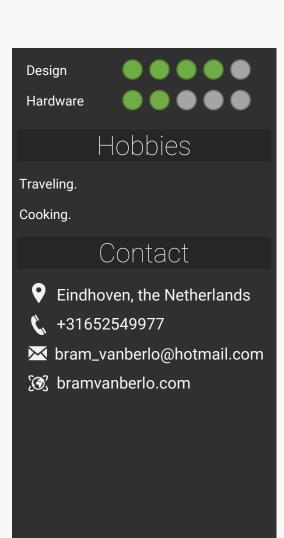


Education

M.Sc EIT Digital - Embedded Systems Eindhoven University of Technology Dual degree: TU/e exit university. Average mark: 8 (Dutch grading system).	2018 - 2019
M.Sc EIT Digital - Embedded Systems KTH Royal Institute of Technology Dual degree: KTH entry university. Average mark: B (ECTS).	2017 - 2018
Pre-Master Embedded Systems University of Twente Preparation for M.Sc Embedded Systems Average mark: 7.5 (Dutch grading system).	09/2016 - 02/2017
B.Sc Creative Technology University of Twente Average mark: 7.5 (Dutch grading system).	2014 - 2017
Bilingual Atheneum (VWO) Stedelijk College Eindhoven TVWO: economics & society profile. Average mark: 6 (Dutch grading system).	2008 - 2014
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Work history

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Ph.D. Candidate Eindhoven University of Technology – IRIS	2020 - now
Research topic: quantifying the effect of stimuli in mammals with millimeter wave radar.	
Treasurer educaCie committee S.A. Proto	2015 - 2017
Keeping track of educaCie committee's finances .	
Concept Developer U-Approach	2013 - 2017
Implementing gamification in existing business templates for schools, businesses and innovation plans, executing market research in leisure economy website innovation.	
Acquisiton member pLAN committee S.A. Proto	2015 - 2016
Making new connections and alliances for future LAN parties.	



Student assistant - Creative Technology

University of Twente

2015 -2016

Support first year Creative Technology students. I have helped with the following courses: "Engineering our digital future" and "Physical Systems and Dynamical Behavior".

Futurologist

2012

U-Approach

Internship: support new ideas, concepts and trends for the future.

DKW Merchandiser Jumbo Supermarkten BV

2011 -

2013

Restock shelves and **assist** customers where needed at Eindhoven at the Belgiëplein affiliate.

Projects

Project Auralux

2015

Android application development of **implicit street light** alteration system.

Project SMART

2018

Realization of a new startup company together with a few friends to provides smart **real-time market analysis** for advertisement systems in the **OOH advertisement market**.

Publications

A participatory sensing system for road quality data acquisition

B.Sc thesis 2017

Integration of **sensor systems** in participatory sensing **network** for **IRI** number visualization.

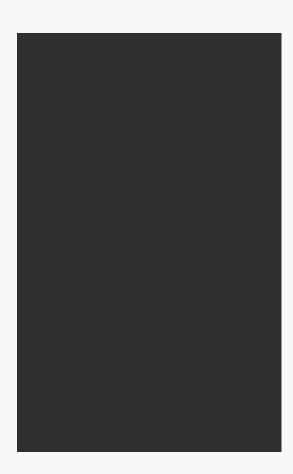
https://essay.utwente.nl/72966/

Unsupervised feature learning in a federated setting for human activity detection

M.Sc thesis 2019

Introduction of a **software architecture** that combines **federated** and unsupervised feature **learning** to **pre-train deep neural networks**. The networks help learn a down-stream task of interest with a significantly **reduced** amount of **labeled data**.

https://research.tue.nl/en/publications/towardsfederated-unsupervised-representation-learning



Towards federated unsupervised representation learning

Summary version of M.Sc thesis including additional effectiveness experiments.

Workshop paper

ACM EdgeSys 2020

https://dl.acm.org/doi/10.1145/3378679.3394530

Millimeter Wave Sensing: A Review of Application Pipelines and Building Blocks

This literature review covers millimeter wave sensing application pipelines by analyzing different basic application pipeline building blocks, including hardware, algorithms, analytical models, and model evaluation techniques. The review also provides a taxonomy that highlights different millimeter wave sensing application domains. It extends previous investigations focused only on communication aspects of the millimeter wave technology and using millimeter wave technology for active imaging, highlights scientific and technological challenges and trends, and provides a future perspective for applications of millimeter wave as a sensing technology.

Journal paper

IEEE Sensors Under review