



# Bram van Berlo

Creative, embedded and entrepreneurial technologist

## Manifesto

I believe...

Fitness makes you sharper and stronger. Team effort is superior over going solo.

My greatest enemy is stagnation.

Meaningful interactions are created by open dialog. The greatest potential in life can be approximated by daily continuous small improvements.

A cutting edge technological background combined with an entrepreneurial mindset creates meaningful new digital systems for society.

## Skills

Based on 10.000 hours per skill...

Frontend web programming

Backend programming

App programming

Embedded programming

## Education

**M.Sc EIT Digital - Embedded Systems** 2018 - 2019  
Technical university of Eindhoven

Dual degree: TU/e exit university.  
Average mark: 8 (Dutch grading system).

**M.Sc EIT Digital - Embedded Systems** 2017 - 2018  
Kungliga tekniska högskolan

Dual degree: KTH entry university.  
Average mark: B (ECTS).

**Pre-Master Embedded Systems** 09/2016 - 02/2017  
University of Twente

Preparation for M.Sc Embedded Systems  
Average mark: 7.5 (Dutch grading system).

**B.Sc Creative Technology** 2014 - 2017  
University of Twente

Average mark: 7.5 (Dutch grading system).

**Bilingual Atheneum (VWO)** 2008 - 2014  
Stedelijk College Eindhoven

TVWO: economics & society profile.  
Average mark: 6 (Dutch grading system).

## Work history

**Treasurer** educaCie committee 2015 - 2017  
S.A. Proto

Keeping track of educaCie committee's **finances**.

**Concept Developer** 2013 - 2017  
U-Approach

Implementing **gamification** in existing business templates for schools, businesses and innovation plans, executing **market research** in leisure economy website innovation.

**Acquisiton** member pLAN committee 2015 - 2016  
S.A. Proto

Making new connections and alliances for future LAN parties.

**Student assistant** - Creative Technology 2015 - 2016  
University of Twente

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

Design



Hardware





## Hobbies

Traveling.


Cooking.

## Contact

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## Futurologist

2012

U-Approach

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

DKW Merchandiser

2011 -

Jumbo Supermarkten BV

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

2017

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

Unsupervised feature learning in a federated setting for human activity detection

2019

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