



# NIELS WEGGEMAN

MSc. in Strategic Product Design

## Contact information



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## Primarily skilled at

- Design Engineering
- CAD Modelling & Visualisation
- Digital & Physical Prototyping
- Strategic Vision Development
- Consumer-Centric Research

## Soft skills

Project-based working, (creative) problem-solving, good communicator, strong work ethic, flexible, experience as team lead, teamworker & reflective.

## Hard skills

- Educated for strategic and integrated product and service development.
- Experience with software packages used for:
  - CAD-Modelling & Rendering (in SolidWorks, KeyShot & Blender 3D)
  - Mathematical Modelling (in Matlab, Simulink & Maplesoft)
  - 3D printing (in Cura 3D)
  - Graphic- & Video Design (in Adobe Photoshop, Illustrator, Premiere Pro, Audition & After Effects)
  - Interface Design (in Adobe XD, Axure, Protopie, Android Studio, Apple's XCode).
- Prototyping skills with physical model building, 3D-printing and basic circuit development.
- Coding experience with Python, Java, C#, HTML, Swift, Processing & Arduino.

## PROFILE



My passion is to help people get the most out of themselves, their environments and their experiences. This drive is the core motivation behind my work and my thinking and why I studied Industrial Design Engineering. I get up in the morning mainly to work on innovative ideas (often literally) that contribute to improving the well-being and happiness of people in their everyday lives.

I work continuously to further develop my skill-set to help me realise that ambition. In my seven years at the Delft University of Technology, I have learned how to design, prototype and evaluate digital and physical product/service solutions. Through my set of capabilities, I can enter anywhere in the product development process and help your company deliver feasible and financially attractive results that are desirable for all stakeholders: the end-users, your company, society and our planet.

My peers and colleagues describe me as a team player with a vision, a proactive approach and an inclusive working style. My strong suit is my dedication: I am conscientious, capable of delivering constructive critique at my own and other's work. I act ambitiously and with a professional attitude.

In the coming years, my ambition is to further develop myself in software development, customer-centric design, CAD modelling & digital well-being.

## CURRICULAR PROGRAMS



### Master Strategic Product Design 2018 - 2021

At Delft University of Technology, with a focus on concept development, embodiment design for manufacturing and the strategic planning of product/service & business innovations. Graduated for the start-up Unpluq with the Entrepreneurship Annotation and an average of 8.1/10 on the topic of 'Digital Well-being in the family life'.

### Pre-Master Mechanical Engineering 2017 - 2018

At Delft University of Technology, with introductory courses in thermal & flow engineering, advanced dynamics, Finite Elements Method & differential equations.

### BSc Industrial Design Engineering (IDE) 2014 - 2017

At Delft University of Technology. Graduated on a design project for Bentley Europe, with Honours Programme & minor abroad at KTH in Stockholm, special focus on Entrepreneurship.

### Propedeuse Industrial Design 2013 - 2014

At University of Technology Eindhoven. Gained skills in e.a. coding, concept design, teamwork and both physical & digital rapid prototyping.

## WORKING EXPERIENCE



### Graduate Intern at Unpluq 2020 - 2021

As part of my graduation in Strategic Product Design, I researched and developed a strategic product proposal for the startup Unpluq, to help them improve the adoption experience and the effectiveness of their Android Launcher product. Here, I learned a lot about when and why people to value digital interactions.

### Teacher assistant at Flex Delft 2015 - now

Responsible for assisting and assessing students in technical Industrial Design Engineering courses like statics, dynamics, electronics & interface design.

### Initiated project for Flying V in collaboration with KLM 2019

Four month project in which I took the initiative in leading three colleague master students to develop an innovative aircraft cabin solution. Our design is now awaiting patent approval, got exhibited at the Dutch Design Week and was nominated as a finalist entry at the 2020 Crystal Cabin Awards.

## Personality (MBTI)

ENTJ-T - Commander  
Extraverted 81%, Intuitive 78%,  
Thinking 51%, Judging 51%,  
Turbulent 51%

## Languages

**English:** Fluent - C2 proficient

**Dutch:** Native speaker

**German:** Basic

## Hobbies

Digital Art, Game Design, Cinema,  
Entrepreneurship, Playing Piano,  
Music, Volunteering & Travel

### SolidWorks CAD designer at TSHR International

2018

Four month project, responsible for the design and development and making production-ready of product components, e.g. solids and sheetmetal in SolidWorks.

### Numerous additional jobs

2011 - 2017

I.a. graphics, logo, product & branding design, tutoring & training at university- & highschool level, sales employee at Pepperminds.

## SIDE ACTIVITIES



### JUMP summercamps

2020 - 2021

Together with a team of enthusiastic volunteers I organized, planned and coordinated a week of entertainment for children aged 15 to 17 for the NIVON organisation. This summer, I again will participate in the organisation of such a camp for 13 to 15 year old children.

### Blue Dot Board

2018 - 2019

As the secretary of the voluntary Blue Dot student board, I helped create the opportunity for Industrial Design Engineering students to further develop their entrepreneurial ambitions. This was realised by manufacturing students designs and offering these for sale in design stores around the country. Here, I learned more about team management, as well as about the process behind manufacturing design products and transitioning to selling it in stores.

### Startup 3DLight

2017 - now

An entrepreneurial side-project focused on gaining experience in sales and product development through 3D-printed design products. These products are being sold online as well as in three partnered brick & mortar tourist stores in Dutch cities. So far, more than 150 units have been sold.

### Designer for Delft Hyperloop

2016 - 2017

Contributed as creative- and PR-content designer to the Delft Hyperloop Dreamteam, with which we won first prize for overall design in SpaceX's Hyperloop Pod Competition 2017, LA, California.