



Hi! I'm Nyckle
Here's my resume

I'm a design engineer
with a passion for simplicity
I pay great attention to detail
and let design tell a story

Work experience

SODAQ (2019-present)

Industrial Designer, Mechanical Lead

Product design, design for manufacturing & prototyping for a sustainable Internet-of-Things (IoT) company.

TU Delft (2019-present)

Design Teacher & Coach

Teaching various courses in the bachelor's programme at the faculty of Industrial Design Engineering.

LITTA (2019-present)

Co-owner & Design Consultant

Designing and manufacturing a solar-powered bike light that lasts, funded by a private investor.

New Things Lab (2019-present)

Founder & Design Engineer

Futureproof concepts, advanced prototypes, and new products: Delft based design agency.

Repareer.com (2015-present)

Co-Founder

A startup that aims to make the process of getting a product repaired as easy as buying a new product.

Ford Motor Company (2018-2019)

Graduate Student

Explorative research & conceptualizing/prototyping an autonomous last-mile parcel delivery system.

TU Delft (2015-2019)

Assistant Design Coach

Coaching bachelor students at the Industrial Design Engineering faculty during various design projects.

Philips (2017)

R&D Apprentice

Developing novel quick floor cleaning principles at Philips Floorcare (Drachten), resulting in two international patents.

Liberty Global (2016-2017)

Design Researcher at Spark Innovation Lab

Member of a student design-team: researching, designing & prototyping a multimedia solution for the next generation.

Ontwikkelfabriek (2015-2017)

Web Developer & User Experience Designer

Wireframing, designing, and developing web applications with a focus on user interaction.

Senz Umbrellas (2014-2015)

Marketing, Web & Design Intern

Developing a new tool for street advertising, designing a new website, and coordinating multiple marketing activities.

Education

Integrated Product Design (2016-2019)

MSc at Delft University of Technology

Integrating technology, business aspects and consumer insights in successful and professional product design. Electives: creative facilitation, entrepreneurship.

Industrial Design Engineering (2012-2015)

BSc (cum laude) at Delft University of Technology

Basics of product design with an emphasis on sustainability, marketing, consumer behaviour, ergonomics and engineering. Electives: product sketching & 3D-modelling of organic shapes.

Pre-University Education (2005-2011)

at Gymnasium Beyers Naudé in Leeuwarden

Preparation for higher education. Graduated in arts, physics, maths, chemistry, biology, English, French and Latin.

Software



I consider myself an advanced user of the software tools pictured above. If you prefer words over icons, this list includes: SolidWorks, Fusion360, Keyshot, Photoshop, Premiere Pro, Illustrator, Dreamweaver, InDesign, Powerpoint, Excel, Publisher and Word.

Awards & Recognition

Autonomous Delivery Robot (2019, DDW Exhibition)

Selected to present my graduation prototype at Dutch Design Week. Now developed further by a commercial company.

Rijkswaterstaat Innovatiestrook (2017, 1st prize)

Design award at the Ministry for Infrastructure & Environment, Now being realized as part of the InnovA58 project.

Repareer.com (2016, Meeting Prime Minister Mark Rutte)

Co-founder Thijs Schippers and I were invited by the Prime Minister for lunch at Catshuis (The Hague) to talk about our initiative.

UfD-Damen Bachelor Awards (2016, 4th prize)

My solar car project Nuon Solar Team was awarded as the 4th best Bachelor's thesis (€1500) of the Delft University of Technology.

Connexion Hoogzitters (2016, 3rd prize)

Designed a conceptual luggage storage & seating design for the Connexion busses on the route Schiphol - Amsterdam Central.

E-camp (2011, 2nd prize)

A stop-motion commercial animated with clay-figures for E-camp camping holidays displayed at the Amsterdam ArenA.

Languages

My native languages are Dutch and Frisian.
English is no problem at all.
Und Ich spreche ein bisschen Deutsch.

Patents

CN206612744 - Suction cleaner (2017)

Sijtsma, N.O. | Grössl, M.R. | Baldewsing, R. | Ter Kuile, M.R.
Espín-Franco, F. | Lee, H.S. | Van Wolferen, P.H.

EP3427624A1 - Vacuum cleaner nozzle (2019)

Sijtsma, N.O. | De Wit, B.

EP3488753A1 - Surface cleaning device (2019)

Sijtsma, N.O. | De Wit, B.