

CURRICULUM VITAE

PERSONAL INFO

Last name	Theunissen
Initials	R.W.H.
First name	Rik
Title	ing. MSc.
Address	Bosstraat 72
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City	Swalmen
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E-mail	info@ride2.nl
Date of birth	16-08-1986
City of birth	Sittard
Marital status	married
Nationality	Dutch
Gender	male



WORK EXPERIENCE

- 12-2012 – current Freelance engineer and owner of RIDE2, product design and development for additive manufacturing. Project advisor for Parametric 3D modelling and workflow optimization for digital fabrication.
 - 07-2018 - 06-2021 Application Development Engineer at BlackBelt 3D BV; head of the technical support and integration of Blackbelt 3D technology at 120 customers worldwide. Responsible for various product development projects and finding new applications for target markets.
 - 08-2016 - 07-2018 Supporting staff and teacher, Faculty Bèta Sciences and Technology at the Zuyd University of Applied Sciences Heerlen. LIME Portal member, connecting students and companies to work on innovative projects.
 - 10-2014 - 08-2016 Co-founder and co-owner of MakerPoint Maastricht, 3d printing technology service and sales for the professional and consumer market.
 - 09-2013 - 07-2014 Innovation manager at FabLab Maastricht, Client specific solutions based on digital fabrication technologies and research into 3D printing with ceramic materials.
 - 01-2012 – 12-2012 Graduation project at Inalfa Roofsystems, Venray (confidential)
Research question: How can the design and styling of roof systems be improved by means of design methods, and how can this be implemented into the current development process?
 - 09-2008 – 02-2009 Graduation project mechanical arm testing, Centre of expertise in Mechatronics Fontys Applied University Eindhoven.
 - 03-2008 – 06-2008 Internship Philips Applied Technologies in Eindhoven, advice- and development agency for applied technologies.
Subject: Developing a test solution for brittle and hard materials (ceramics) to characterize them in a very early stage for fine tuning the processing settings for cutting the wafers. Included the development of a database in MS Access to provide a digital archive of historical data.
 - 02-2007 – 06-2007 Stage Nelissen Ingenieursbureau in Eindhoven, independent engineering company for installation technology, building physics and acoustics.
Subject: General design of installations and optimise the design workflow.
- Practical skills
- Skilled in different production technologies for prototyping and manufacturing, woodworking, metal working.
 - 3D printing expertise in FDM, plastics, ceramics, wood filled, metal filled ea.
 - Basic skills in programming on various development boards like Raspberry Pi and ESP32

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EDUCATION

- 2019 Training business German level B1 by the Volkusuniversiteit Venlo e.o.
- 2017-2018 Docent Basiskwalificatie Didactische Bekwaamheid; Teaching course Zuyd University of Applied Sciences de Nieuwste Pabo. Foundation post HBO registered.
- 2010 - 2012 Master; Twente University Enschede; Industrial Design Engineering; Master track: Design & Styling
Courses: Design Management, Evolutionary Product Design, Design & Emotion, Past Futures, Automotive Design, Design for Dynamic Use, Graphical Language of Products, Packaging Design & Management,
Scenario Based Product Design, Sources of Innovation,
Surface Engineering, Governing Product Development, Create the Future
- 2009 - 2010 Pre-Master; Twente University Enschede; track Industrial Design.
Courses: Dynamica, Ergonomie, Fysieke Ergonomie, Grafische Vormgeving, Inleiding Industrieel Ontwerpen, Manufacturing 3, Mens-Product relaties, Methoden van Onderzoek, Product Presentatie technieken, Design of Mechatronic Sytems, Project K, Schets & Concepttekenen, Vormmethodiek, Vormologie, Wiskunde
- 2005 - 2009 HBO; Fontys Applied University Eindhoven; track Mechanical Engineering ; graduated February 2009
- 2004-2005 Technical University; Eindhoven; track Mechanical Engineering (stopped)
- 1998-2004 VWO; Stedelijk Lyceum, Roermond; graduated 2004,
- Software packages Rhinoceros 6 + Grasshopper & several plugins
Autodesk Fusion 360
Netfabb 2019
nTopolgy 2020 version
Cura 4 | ideaMaker 4 | Simplify3D 4
Solidworks 2018 + Photoview 360 / FEM / Keyshot
Adobe CS6 Fw / Dw / Id / Ps / Ai
Microsoft Visual Studio

LANGUAGES

English	good in language and writing
German	good in language and basic writing
French	basic in language and reading
HTML, Javascript en CSS	average
PHP en MySQL	average
C/C++ / PLC	average

PERSONAL ACTIVITIES

- Hobbies Hackathons and Tinkering
Mountainbiken
Caving
- Activities Guest lecturer digital technologies
Renovating our 100 year old house.
Pommes Dad