



BERT BOUTE

ABOUT

I combine a **hands-on approach** with a **multidisciplinary mindset**, equipping me to tackle both theoretical and practical challenges in Industrial Design and Medical Device Development. An energetic and positive thinker, I **thrive on complex projects** and relish the opportunity to **learn new skills**. My recent journey, which took me from Belgium to New Zealand on an adventure bike, was not just a ride; it was a transformative experience where I worked, traveled, and embraced challenges head-on. I collaborate seamlessly in teams or dive autonomously into problems, always **viewing obstacles as opportunities to innovate**. Now, after exploring half the globe, I'm excited to bring my **unique perspective and skills to a long-term career** where I can make a **meaningful impact**.



Whistler, Canada



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EDUCATION

2014 - 2018

**PhD. Industrial Engineer in Industrial Design
Medical Device Development**

Ghent University
Belgium

2009 - 2014

**MSc. INDUSTRIAL ENGINEERING
Industrial Design**

Ghent University
Belgium

2013 - semester 2

**ERASMUS PROGRAM
Ecole de Design**

Nantes Atlantique
France

MERITES

2018 JAMES DYSON AWARD

National winner (Belgium)

3.000 euro (in function of my PhD research)

2018 IN4CARE WINNER

10.000 euro (in function of my PhD research)

2015 BEST POSTER AWARD

15th FEA Research Symposium

Faculty of Engineering and Architecture
Ghent University

2014-2015 BEST MASTER'S THESIS

Faculty of Engineering and Architecture
Ghent University

2014 SBP FINALIST

Small Business Project
Vlajo

WORK EXPERIENCE

FREELANCE INDUSTRIAL DESIGNER

12/23 - current

Consulting, prototyping and R&D, engineering, van conversions, metal fabrication.

SKI WORKSHOP MANAGER, RENTAL & OUTDOOR SPECIALIST - AVVENTURA

15/11/23 - 20/07/24 (Ghent, Belgium)

Ski workshop manager for the season: ski technician and rental supervision. Winter sports specialist. Expertise in outdoor & mountaineering equipment: retail.

SKI TECHNICIAN & OUTDOOR SPECIALIST - RACERS EDGE

25/05/23 - 28/10/23 (Wanaka, New Zealand)

Servicing skis and snowboards, binding mounting, high-end repairs: blown edges, base patches and delaminations (NZ has rough snow conditions with hard skiers).

MECHANICAL ENGINEERING, FABRICATION, MAINTENANCE & BROADACRE MACHINERY OPERATOR - BARTLETT BROTHERS HARVESTING

20/09/21 - 15/11/22 (Horsham, Australia)

Fabrication of agricultural equipment, sheet metal fabrication, performing maintenance and operating different heavy duty broad-acre farm machinery.

MECHANICAL DESIGN & ENGINEERING: DEVELOPMENT OF A GRASS SEED CLEANING MACHINE - CLAIRVILLE GRAZING

08/2020 - 02/2021 (Dunedoo, Australia)

Designing, engineering and construction of a fully functional prototype of an industrial grass seed cleaning machine. From concept sketches to cardboard prototypes to fully functional metal constructed proof of concepts.

PROPERTY MANAGEMENT - FRAS HOLIDAY HOUSING

februari - july 2020 (Jervis Bay, Australia)

Maintenance & housekeeping of luxury holiday housing: painting and decoration, general maintenance, gardening, cleaning, etc..

PHD - INDUSTRIAL DESIGN & MEDICAL DEVICE DEVELOPMENT RESEARCHER @ GHENT UNIVERSITY HOSPITAL

August 2014 - December 2018

Designing, developing and production of high-end carbon fibre medical immobilization device for breast cancer radiotherapy. Working in a multidisciplinary team. Concept generation, prototype development, user tests, UX- and comfort optimization were all part of my work.

MAINTENANCE ENGINEER - VOLVO CARS

June - Juli - August 2013

Interim job as a maintenance engineer in Volo Cars. My job consisted of inspection, reparation, welding, electric installations, painting repairing and re-assembly of carts (for transporting parts or tools). I was working in the workshop, warehouse or factory. I needed to perform both independent and team-jobs.

HOSPITALITY

2010 - 2015

Several part-time jobs in hospitality in order to fund studies.
Pubs, restaurants and event catering.

SKILLSET

- PRODUCT DESIGN

Concept generation, prototyping, rapid prototyping, UX-Design, comfort optimisation, user tests, ergonomics.

- ENGINEERING

CAD/CAM engineering, FE-analysis, mould making and production, high-end materials (medical & sport oriented), industrial additive manufacturing with continuous fiber composites.

- COMPOSITES

Production of medical grade composite parts (FG, CF, Kevlar), mould making, resin infusion, hand lay-up, double mould, vacuum bagging, pre-preg.

- MACHINING (CNC)

Lathe, milling, grinding, cutting, etc

- MECHANICS & FABRICATION

Passion for motorcycle building & restoration, metal fabrication, sheet metal construction, general maintenance and servicing, TIG, MIG/MAG welding.

SKILLS

PRODUCT DESIGN

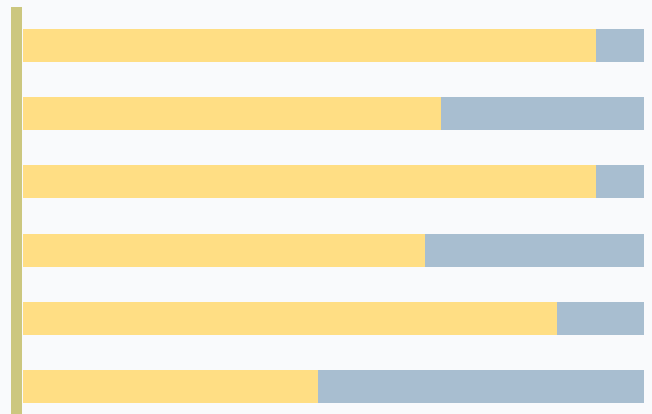
CREATIVE SKILLS

PROTOTYPING

CAD-CAM

ENGINEERING

GRAPHIC DESIGN



HOBBIES

INDUSTRIAL DESIGN - PHOTOGRAPHY - TRAVELING - FABRICATION
MOTORBIKE RIDING - WINTER SPORTS - ALPINISM & ROCK CLIMBING