



# 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, Sports 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**. After exploring half the globe by motorcycle, I'm excited to bring my **unique perspective and skills to a long-term career** where I can make a **meaningful impact** in the **outdoor sports industry**.



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  
School of Design**

Nantes Atlantique University  
France

## AWARDS

**2025 HENRY VAN DE VELDE AWARDS**

**Gold medalist (Public Awards)**

**Gold medalist (Business Innovation)**

**2018 JAMES DYSON AWARD**

**National winner (Belgium)**

5.000 CAD (in function of my PhD research)

**2018 IN4CARE WINNER**

15.000 CAD (in function of my PhD research)

**2015 BEST POSTER AWARD**

**15<sup>th</sup> FEA Research Symposium**

Faculty of Engineering and Architecture  
Ghent University

**2014 - 2018 RESEARCH GRANT**

**KOM OP TEGEN KANKER**

Funding for 4 years of my PhD research.

## WORK EXPERIENCE

### INDUSTRIAL DESIGNER - C3 POWERSPORTS

**December - current (part-time)**

R&D of new snowbike parts in carbon fiber, aluminium or injection molded plastics, Prototyping & CAD/CAM engineering of bike part and upgrades.

### TRAIL MANAGEMENT & OPERATIONS - CALLAGHAN COUNTRY ADVENTURES

**November 2024 - current**

Snow cat operator, trail grooming, trail maintenance and lodge maintenance of a backcountry ski lodge and nordic ski center.

### FREELANCE INDUSTRIAL DESIGNER

**December 2023 - current**

Consulting, ideation, concept exploration, prototyping and R&D, CAD/CAM engineering, bike building, metal fabrication, van conversions, graphic design.

### SKI WORKSHOP MANAGER, RENTAL & OUTDOOR SPECIALIST - AVVENTURA

**November 2023 - August 2024 (Ghent, Belgium)**

Ski workshop manager: ski technician, managing customer skis and rental supervision. Winter sports specialist. Expertise in outdoor retail and mountaineering equipment.

### SKI TECHNICIAN & OUTDOOR SPECIALIST - RACERS EDGE

**May 2023 - October 2023 (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

**September 2021 - November 2022 (Horsham, Australia)**

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

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

**August 2020 - Februari 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.

### GROUND PREP AND GENERAL LABOUR - THE FRAS TRUFFLE FARM

**Februari - July 2020 (Jervis Bay, Australia)**

Ground preparation: ground moving, tree & root removal with excavator, weeding, spraying, fencing, irrigation, general maintenance and construction.

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

**August 2014 - December 2018**

Designed, developed and produced high-end carbon fibre medical immobilization devices for breast cancer radiotherapy. Worked in a multidisciplinary team. Concept generation, prototype development, user tests, UX- and comfort optimization were all part of my work.

## AWARDS

### 2014-2015 BEST MASTER'S THESIS

Faculty of Engineering and Architecture  
Ghent University

### 2014 SMALL BUSINESS PROJECT

#### FINALIST

Vlajo

## DESIGNER - INDUSTRIAL DESIGN CENTER - GHEENT UNIVERSITY

August 2014 - December 2018

As a designer, and project worker, I helped other businesses and people with their design projects. Mainly focused on rapid prototyping, CAD/CAM engineering, composite materials, mould making, consulting and training.

## MAINTENANCE ENGINEER - VOLVO CARS

June - July - August 2013

Interim job as a Maintenance Engineer for Volo Cars. My job consisted of inspection, repairing, welding, electrical installations, painting, repairing and re-assembly of carts (for transporting parts or tools). I worked in the workshop, warehouse and factory, both independently and with the team.

## HOSPITALITY

2010 - 2015

Held numerous part-time jobs in hospitality to fund studies, including pubs, restaurants and event catering.

## SKILLSETS

### - PRODUCT DESIGN

Concept generation, prototyping, rapid prototyping, UX-Design, comfort optimisation, user tests, ergonomics, validation and proof of concepts.

### - 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 bicycle and motorcycle building & restoration, metal fabrication, sheet metal construction, general maintenance and servicing, TIG, MIG/MAG welding.

## SKILLS

PRODUCT DESIGN

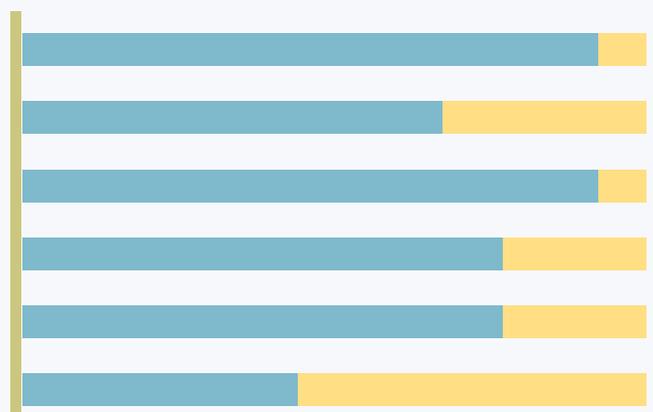
CREATIVE SKILLS

PROTOTYPING

CAD-CAM

ENGINEERING

GRAPHIC DESIGN



## HOBBIES

MOUNTAIN BIKING - PHOTOGRAPHY - TRAVELING - FABRICATION  
MOTORBIKE RIDING - WINTER SPORTS - ALPINISM & ROCK CLIMBING