



# Bram Vanherle

PhD Researcher | Hasselt University, Belgium

 26 years old

 Peer, Belgium

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 [bvanherle.github.io/](https://github.com/bvanherle)

## Summary

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I have just entered the third year of my PhD, researching the use of synthetic training data to train deep learning computer vision models. Besides my PhD work I have contributed to research projects ranging from automated multi-view video directing to virtual reality robot programming. I am looking for an international internship to force myself out of my comfort zone, to learn from and collaborate with talented people, and to gain experience on how other teams do research.

## Professional Experience

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**PhD Researcher** Sept 2020 – now  
Hasselt University

**Researcher** Sept 2019 – Sept 2020  
Hasselt University

## Publications

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Automatic Camera Control and Directing with an Ultra-High-Definition Collaborative Recording System, *CVMP21*  
B. Vanherle, et al.

Real-time Detection of 2D Tool Landmarks with Synthetic Training Data, *ROBOVIS21*  
B. Vanherle, et al.

Semi-automatic extraction of digital work instructions from CAD models, *Procedia CIRP 97*  
D. Gors, et al.

## Education

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**M.Sc. Computer Science – Visual Computing** Sept. 2017 - June 2019  
Hasselt University  
Graduated with distinction

**B.S. Computer Science** Sept 2014 – June 2017  
Hasselt University  
Graduated with distinction

## Skills

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**Programming**  
Fluent in Python - experienced in C# and C++ - basics of Java, JavaScript, C and PHP

**Frameworks**  
Experience with Tensorflow, Keras, PyTorch, OpenCV, SciPy, Unity, etc.

**Teaching**  
Teaching Assistant for courses on Computer Graphics, Object Oriented Programming, Visual Computing  
Supervised a number of masters and bachelor theses

**Languages**  
Fluent in Dutch and English, basic French