

EMIEL BOS

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Education

University of Bristol

Masters of Science in Robotics with distinction, part-time

Sep. 2019 – Sep. 2021

Bristol, UK

Inholland, University of Applied Sciences

Bachelor's Degree in Aeronautical Engineering, full-time

Sep. 2014 – Sep. 2019

Delft, NL

Relevant Creations

- IELTS (C1)
- KUKA robot programming 1
- Machine learning (Stanford online)
- Systems Engineering (Burge Hughes Walsh)

Experience

National Composites Centre

Research Engineer (2022-Current), Associate Research Engineer (2019-2022)

Feb. 2019 – Present

Bristol, UK

- Immersive workbench
(Sep. 2022 - Ongoing)
- Content leader for digital learning factories immersive technology course.
(Mar. 2022 - Ongoing).
- Haptic teleoperation of a physical 7 degrees-of-freedom robot arm.
(Sep. 2021 - Mar. 2022).
- MSc dissertation project. Control protocols for haptic teleoperation, with assisted haptic feedback, of a virtual industrial 6 degrees-of-freedom robotic arm.
(Jun. 2021 - Sep. 2021).
- Worked on two DETI work packages. 'AR live verification' and 'Manufacturing control centre'.
(Mar. 2021 - Jun. 2021)
- Assisted development on a resource tracking web app.
(Sep. 2020 - Mar. 2021)
- Undergraduate dissertation project. Augmented reality application for industry.
(Feb. 2019 - Sep. 2020)

Airborne

Engineering Student worker

Mar. 2017 – Feb. 2019

The Hague, NL

- Assisting on the initial development of the on-demand manufacturing portal
- Process engineering of the Automated Tape Layer (ATL) to increase path accuracy
- Python tool created for the conceptual design of a near zero CTE hybrid composite laminate.

Inholland Composites

Composites Worker

Sep 2016 – Dec. 2016

Delft, NL

Technical Skills

Programming: Python, C#, C++ (Arduino), MATLAB

Tools: Unity, CATIA, NX Siemens, NASTRAN (FEA), XFOIL

Extracurricular

Study Association

Vice President

Sep 2015 - Sep 2016

V.S.V. Sipke Wynia

- Head of external affairs
- Commissioner of Symposium
- Commissioner of Yearbook