Laurens Verhulst
Biomedical Engineer

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Experience

Rehabilitation Engineer
National Rehabilitation Hospital Dublin - June 2018 - September 2018

During my internship at the NRH, I was working as part of the Electronic Assistive Technology Clinic. I engaged with patients that were suffering from traumatic brain injury or spinal cord injury. While at the NRH I helped on a great variety of projects, such as AAC technology, Virtual Assistant and Windows Accessiblity.

Localisation Quality Assurance Tester - Dutch
Keywords Studios Ireland - September 2016 - September 2017

As a QA tester, it was my responsibilty to make sure content was living up to the high standards set by Keywords. I worked on a variety of projects involving Console Games, Mobile Games, Manuals and Customer Support. The high paced environment made working here never boring.

Mechatronics Engineer
Heemskerk Innovative Technology Delft - February 2016 - August 2017

During the last year of my Bachelor study, I developed a Robot Grasping Simulation for HIT, located in the Robo Valley of the TU Delft. The team at HIT included many young and bright minds as well as industry professionals. This made working here very fun and educational. The environment was open-minded but critical, this ensured that work was of high quality.

Mechatronics Engineer
NDW Intern-transportonderdelen - September 2014 - February 2015

As part of my third year project, I conducted an internship at NDW. NDW is a company that produces transport rollers. The project that I was working on involved the design of an automated roller press.

Education

Master of Engineering - Biomedical Engineering
University College Dublin - 2017-2019

Thesis: The development and testing of a testing rig for investigating the effects of force perturbations during cycling.
Modules: Neural Engineering, Rehabilitation Engineering, Software Engineering, Medical Device Design, Predictive Analytics, Entrepreneurship, Neurophysiology, Biomechanics, Biomaterials, Biomedical Imaging

Bachelor of Science - Mechatronics
Avans University of Applied Science - 2012-2016

Thesis: Behavioral Accuracy Simulation of the Kinova Mico Robotic Arm
Modules: Machine Vision, Material Science, Machine Safety, Object-oriented Programming, Motion Control, Finite Elements Analysis, Statics, Dynamics

Erasmus Exchange - Business Information Systems
Stuttgart Media University - September 2015-January 2016

Modules: Intercultural Communication, Business Ethics, Business Process Management, Business Inteligence, German language and culture