

ARTHUR LELOUP

Researcher/Data Scientist

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Antwerp

arthur-arthur.github.io

arthur-arthur

EDUCATION

MSc in Statistical Data Analysis (Computational Statistics)

Ghent University

Sept 2019 – June 2020

Magna Cum Laude

PhD in Vascular Biomechanics

University of Antwerp (Dr. P. Fransen and Prof. G. De Keulenaer)

Oct 2013 – Sept 2019

"The role of vascular smooth muscle cell contraction and relaxation as active modulators of large artery stiffness"

MSc in Molecular & Cellular Gene Biotechnology

University of Antwerp

Sept 2011 – June 2013

Magna Cum Laude

BSc in Biochemistry & Biotechnology

University of Antwerp

Sept 2007 – June 2011

Rudolf Steinerschool

MSV De Es

Sept 2001 – June 2007

EXPERIENCE

PhD Researcher

University of Antwerp (Dr. P. Fransen & Prof. G. De Keulenaer lab)

Oct 2013 – Sep 2019

Antwerp, Belgium

- Developed novel techniques to acquire, process and analyze biomechanical sensor data from isolated, mechanically stimulated arteries
- Teaching assistant for Statistics, Pharmaceutical Data Analysis & Physiology courses as well as individual supervision of master students

Research fellow

Macquarie University (Prof. A. Avolio lab)

Oct 2017 – April 2018

Sydney, Australia

- Learned techniques to acquire, process and analyze intra-arterial flow & pressure data from anesthetized rats

Research fellow

Institute of Clinical Physiology (Prof. F. Faeta lab)

March 2015

Pisa, Italy

- Learned state-of-the-art HF-US-based image acquisition and processing techniques to noninvasively assess biomechanical properties of the aorta

PROGRAMMING

R

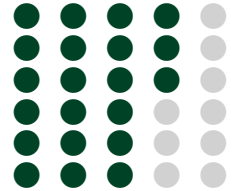
Python

SAS

SQL

HTML/CSS

LaTeX



STRENGTHS

Creative

Enthusiastic

Versatile

Problem solver

Frequentist & Bayesian statistics

Sensor data & Predictive analytics

Machine learning

Neural networks

Natural language processing

LANGUAGES

Dutch

English

French

Italian

