

ARTHUR LELOUP

Data Scientist

✉ arthurlelou@gmail.com

📍 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. Faïta 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

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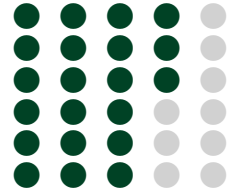
Python

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

