ARTHUR LELOUP

Data Scientist

@ arthurleloup@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

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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"

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MSc in Molecular & Cellular Gene Biotechnology
University of Antwerp

📅 Sept 2011 – June 2013

Magna Cum Laude

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BSc in Biochemistry & Biotechnology
University of Antwerp

📍 Sept 2007 – June 2011

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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

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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

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Research fellow
Institute of Clinical Physiology (Prof. F. Faita 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
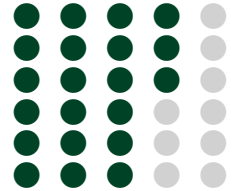
PROGRAMMING

R ●●●●○
Python ●●●●○
SAS ●●●●○
SQL ●●●○○
HTML/CSS ●●●○○
LaTex ●●●○○

STRENGTHS

Creative   Passionate   Versatile
Problem solver

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Frequentist & Bayesian statistics
Sensor data & Predictive analytics
Machine learning   Neural networks
Natural language processing

LANGUAGES

Dutch ●●●●●
English ●●●●○
French ●●●○○
Italian ●○○○○