Pierre Kibleur

Engineer in Computational Sciences

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Age 25 (Feb 17th, 1993) • French

Education

EPFL, Swiss Federal Institute of Technology, Switzerland
Master in Computational Science and Engineering (CSE) 2015–2018
Bachelor in Physics 2011–2015

ULB, Brussels University, Belgium
Full year Erasmus+ exchange, Physics 2014–2015

Lycée Saint-Michel de Picpus, Paris, France
High school diploma in Sciences 2011

Experience

UNIFR, University of Fribourg, Switzerland
Preparing a peer-reviewed scientific publication based on my Master Thesis Mar-(Jul 2018)

EPFL, Biorobotics Laboratory, Lausanne, Switzerland
Biomechanical model of the primates' upper limb: design of stimulation protocols for the recovery of reaching movements in tetraplegia (Master Thesis) Sep-Jan 2018

G-Therapeutics, Lausanne, Switzerland
Programming of a 3D robotic body weight support system for gait rehabilitation, integration of IMU sensors, writing and automation of the code's unit testing conform to Medical Software norms Feb-Sep 2017

Academic projects

EPFL, Distributed Intelligent Systems and Algorithms Laboratory
3D bio-inspired odor source localization algorithm for airborne plumes. Project presented at the International Conference on Intelligent Robots and Systems; Ref: EPFL-CONF-231021 Sep-Jan 2017

EPFL, Interdisciplinary Aerodynamics Group
DSMC-CFD coupled simulation of the Stardust capsule's atmospheric re-entry, analysis of the heat diffusion through the Thermal Protection System Feb-Jul 2016

Technical skills

Programming: C/C++, Matlab, Bash, Python, CUDA, Basic
Office: LaTeX, Pack Office, Visio
Libraries: Pandas, Scipy, tikz, TwinCAT, OpenSim
Usual environments: Linux, Vim, Jupyter, Atom, Visual Studio
Version control: Git, Team Foundation Server

Academic involvements

Tutoring: Analysis III for physicists Sep-Dec 2016
Class representative: CSE section 2015-2016

Languages

English: Advanced (C1)
Russian: Basics (A2)
French: Native speaker

Free time

Tenor saxophone
Western concert flute
Running