SACHA MEDAER

Looking for a PhD at the intersection of Computer Sciences and Physics Engineering

EDUCATION

Master degree in Advanced Optical Technologies

Friedrich-Alexander Universität

- Majors: Computational Optics & Optics in Communication and Information Theory
- Final grade: First-class

Master degree in Computational Engineering

Friedrich-Alexander Universität

- Majors: Digital Communication & Machine Learning
- Final grade: Upper second-class (2:1)

Bachelor degree in Physics Engineering

Université Libre de Bruxelles

Bachelor degree in Computer Sciences

Université Libre de Bruxelles

World Tour - Work & Travel Visa

High-school Degree

EXPERIENCE AND PROJECTS

Deep Reinforcement Learning for the Planning of Liver Tumor Thermal Ablation

Siemens Healthineers - Artificial Intelligence Group

Simulation of a Figure-of-eight All-normal-dispersion All-in-fiber Regenerative Hybrid Harmonic Mode-locked Laser

Max Planck Institute for the Science of Light - Pr. Schmauss Associated Group

Optcom: Open-Source Optical System Simulator (Github)

Founder

Simulation of a Pulse Stretcher concept for Ultrashort Pulse Fiber Laser Systems

Max Planck Institute for the Science of Light - Pr. Schmauss Associated Group

Study of Multiple Correlated Responses in a Surrogate-based Framework

Cenaero - Simulation Technologies for Aeronautics

Reduction of the Word Equation Problem for a SAT Resolution

Université Libre de Bruxelles - Computer Sciences Departement

2017

Parussels, Belgium

SOFT SKILLS

Problem-solving Positive attitude
Team-player Reliable Tenacity
Respectfulness Communicative

EXTRA-CURRICULAR

- · Ambassador of Schola ULB
- Treasurer of the Board of European Students of Technology ULB
- Founder of BADUM music band
- Piano and Saxophone player
- Delegate of Polytechnic Circle ULB
- Brussels Student Song Festival organizer
- Football player (RES AFCCM RCS)
- Volunteer at Oxfam

PROGRAMMING



LANGUAGES

French English German Spanish Dutch



INTERESTS

Music Sports Travelling

Learning languages Craft-work

Volunteering Open-source

STUDENT JOBS

- Pedagogic expert at Libraries Without Borders
- High-school Tutor at Schola ULB
- Teacher (private lessons)
- Waiter & Bartender
- Photographer at Gotcha
- Financial department assistant at Mastercard
- Sales manager assistant at Van Eyck Solutions