ABOUT ME

I am a curious and creative person; I like overcoming professional challenges by bringing in innovative ideas.

SKILLS

Web development | IT

Mobile development

Data science | Simulation

Modeling | Optimisation

Signal processing

Optimal control | CFD | CSM

Finite Elements Method

Databases | Computer vision

CUDA | HPC

Networks | Web development

Medical Imaging

Multilingual | Flexibility

Teamwork | Adaptability

Communication

Rigor | Hard work | Efficency

TOOLS

Microsoft Office

Adobe

C/C++

Python

HTML/CSS/JS

PHP/MySQL

LaTeX

Docker

Git

Windows

Linux

LANGUAGES

English ●●●●●
French ●●●●●
Japanese ●●●○○
Spanish ●●○○○

---

38 Kipling Road, BS7 0QR Bristol, UK

+44 7878430616

roussel.desmond.nzoyem@outlook.com

roussel-desmond-nzoyem

desmond-rn

25 yo

ROUSSEL DESMOND **NZOYEM**

Looking for a part-time job or volunteering oportunity.

WORK EXPERIENCE

Private Instructor | Complétude

January 2020 - January 2021 — Strasbourg, FR

- Weekly monitoring of high school students in mathematics and computer science with group tutoring during holidays.

Webmaster | Musica International

September 2019 - October 2019 — Strasbourg, FR

- Website management and maintenance of a music score database and a showcase website.

Store Assistant | Western Union

June 2016 - September 2016 — Yaoundé, CMR

- I assisted clients in filling out forms for money transfer.
- I advised customers on the services our store had to offer.

RESEARCH EXPERIENCE

R&D Internship | Jacques-Louis Lions Laboratory (Sorbonne University)

February 2021 - July 2021 — Paris, FR

- MIZ (Marginal Ice Zone) ice floes fracture by percussion in a granular model within the SASIP project where I studied fracture in elastic materials.

R&D Internship | Institut Recherche Mathématiques Avancées (IRMA)

June 2020 - August 2020 — Strasbourg, FR

- Inverse problem using ML (Vnets) for the reconstruction of a domain's density using infrared signals that spread into that medium (radiative transfer equation), in order to detect cancer.

EDUCATION

PhD in Interactive Artificial Intelligence | University of Bristol

September 2021 - September 2025 — Bristol, UK

- CDT training focused on data-driven, knowledge-driven, responsible, and interactive AI.

Master's degree (MSc) in CSMI | University of Strasbourg

September 2019 - September 2021 — Strasbourg, FR

- Explored theoretical and practical aspects of deep learning, signal processing, data science, etc.

Bachelor's degree (BSc) in mathematics | Aix-Marseille University

November 2017 - July 2019 — Marseille, FR

- Semesters 5 and 6 finalising my BSc with a particular accent on theoretical principles.

Advanced technician's certificate in mechatronics | Oshima College of Technology

April 2017 - June 2019 — Oshima, JP

- Intensive training focusing on mechanics, electronics, and computer science.

Associate degree in computer science | University of the People

January 2017 - April 2019 — Pasadena, USA

- Theoretical and applied computer science followed by web and software development projects.

HOBBIES

Coding video games
Music and cinema
Traveling
Football