

## EDUCATION.

### University of Oxford

Oxford, United Kingdom

Oct 2021 - Ongoing

- ★ MSc in Advanced Computer Science, **acceptance rate of 5%**.
- ★ *Relevant Coursework:* Advanced Topics in ML, Quantum Computing, Artificial Intelligence, Computational Learning Theory, Computational Game Theory.

### National Polytechnic Institute of Toulouse, ENSEEIHT

Toulouse, France

Sep 2019 - Sep 2021

- ★ MEng in Computer Science and Applied Mathematics, majored in High Performance Computing and Big Data. **GPA: 3.88/4.0**
- ★ *Relevant Coursework:* Optimization, Machine Learning, Bayesian Analysis, Data Assimilation, Advanced Statistics, Advanced Linear Algebra, HPC, Cloud Computing, Operational Research, Distributed Systems and Algorithms, Software Engineering.

### University of Burgundy, School of Engineering

Dijon, France

Sep 2018 - Jun 2019

- ★ 3rd year BEng equivalent, ranked **1st/84**, Head of Batch.
- ★ *Relevant coursework:* C/C++/Java Programming, Image/Signal Processing.

### National Advanced School of Engineering of Yaounde

Yaounde, Cameroon

Sep 2015 - Jun 2018

- ★ Most selective engineering school in Cameroon, **acceptance rate of 4%**.
- ★ Ranked **16th (200 selected) over 5000+** applicants at the entrance examination contest.
- ★ 3 years of mathematics, physics and computer science. Ranked in the **top 5%**.
- ★ *Relevant Coursework:* General/Linear Algebra, Multidimensional analysis, Advanced Calculus, Probabilities and Statistics, Data structures and Algorithms.

## WORK EXPERIENCES.

### NLP Data Scientist and Backend Engineer @ ProfessorBob.ai

Paris, France

Sep 2020 - Ongoing

- ★ Implemented a Knowledge Graph construction pipeline from raw course documents.
- ★ Improved document classification quality by **95%**, through the exploration and implementation of state of the art heterogeneous Graph Neural Networks, leveraging the constructed Knowledge Graph.
- ★ Developed Chatbot and Adaptive Learning plugins for Moodle integration.
- ★ Developed a GraphQL API to interact with the chatbot backend.

### Data Scientist Intern @ Pro BTP Group

Paris, France

Jun 2020 - Aug 2020

- ★ Worked on **anomaly detection in time series of financial data**.
- ★ Successfully Implemented anomaly detection algorithms for uni/multi-dimensional time series, along with a web-based interactive dashboard for staff usage.

### Data Engineer Research Intern @ Toulouse Institute of CS Research

Toulouse, France

Oct 2019 - Apr 2020

- ★ Worked part-time within the Sepia team on the subject: **Adapting IO and CPU Usage in a Hadoop infrastructure**.
- ★ Performed cluster setup and administration, MapReduce workload development, visualization and descriptive statistics on execution metrics, interpretation of results and suggestion proposals for performance improvement.

### Software Engineer Intern @ Polytech Valor

Yaounde, Cameroon

Jun 2016 - Sep 2017

- ★ Co-developed the web site of Algeria embassy in Cameroon. [view](#)
- ★ Teaching Assistant during the 2017 edition of the gov. sponsored IT security training. workshops.

## SELECTED PROJECTS.

- ★ **Quidely**, the largest restaurant catalog and meal delivery platform in Cameroon, with 1400+ listed restaurants, available on mobile and web. [view](#)
- ★ **Skylon**, one of the largest and most impactful e-learning platform in Cameroon, with over 15k active users, that received a [recognition](#) from the GEFL. [view](#)
- ★ **Hidoop**, a simple yet fault tolerant, clone version of Apache Hadoop, built with Java. Recognized as best student project by supervisor Pr Philippe Mauran.
- ★ **AntSimulation**, Application for simulating colonies of social insects, more specifically that of anthills, built with Java/JavaFX. [view](#)
- ★ **Wifibot**, a remote control and monitoring application for a 4-wheel robot with a camera, via the wifi network, built with C++/QT. [view](#)

## EXTRA ACTIVITIES.

- ★ Researcher at the Oxford Artificial Intelligence Society.
- ★ Computer Science Student Ambassador at the University of Oxford.
- ★ Student tutor in Mathematics and AI, High School and College level.

# Wilfried L. Bounsi

MSc Student in Advanced Computer Science at the University of Oxford.

## CONTACTS

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## LANGUAGES

FRENCH Native language

ENGLISH C1 Level  
IELTS Academic 8.0/9.0

## SKILLS

**Programming Languages:** Python, C/C++, Java, Dart, Ocaml, Julia, Octave/Matlab, HTML, CSS, JavaScript.

**Data Science:** Numpy, Pandas, Matplotlib, Seaborn, Networkx, Dash, R, statsmodels, Pytorch, Scikit-Learn, Tensorflow, Keras, DGL.

**HPC & Big Data:** Hadoop, Spark, OpenMP

**Cloud Computing:** Kubernetes, AWS, MySQL, Docker

**Web/Mobile Development:** Django, Flutter, Bootstrap, Vuejs, GraphQL.

**Project Management:** Scrum, Git, Maven.

## ACHIEVEMENTS

- 20+ completed CS online courses. [view](#)
- Won a prize at the Hacking Health Hackathon at Besançon. [view](#)
- Team ranked 3rd at the Citadel Data Open Europe Regional 2021, won a cash prize of \$2,500.

## HOBBIES

Jogging, Football, Mangas, Reading.