Benjamin Loriot

Computer science engineering student

I am curious about everything but mostly interested in *web technologies*, *cloud computing*, and *data engineering*.
I am currently pursuing a double degree in France and Canada in computer science and information technologies.

- +33 6 35 16 25 48
- bloriot97@gmail.com
- *https ://bloriot97.github.io*

SKILLS

Languages

🇫🇷 **French** - Native
🇬🇧 **English** - TOEIC 975/990 (C1)
🇪🇸 **Spanish** - Notions (B1)

Engineering

Front & Back

React · Next.js · Vue · SQL · Graph-database (graphQL, Dgraph) · MongoDB

Data Science

Data mining · Machine learning · Deep learning (LSTM, CNN) · Python (pandas, scikit...) · Data visualization · Computer vision

Programming languages

Javascript · Python · HTML5/CSS3 · Go · Java

Other tools & techniques

Docker · DevOps · Arduino · LaTeX

Management

IT services management · Project Management · Portfolio Management

Leisure

Cooking
Learning
Swimming

PROFESSIONAL EXPERIENCE

Software Engineer Intern
RIMES, Paris, France
— Design, programming and maintenance of a cache service for our microservices.
— Update the current architecture to add the possibility to deploy Linux and Windows container in a docker swarm cluster.

Sept. 2022 - now

Software Engineer Intern (part-time student job)
Index, Montreal, Canada
— Full stack development for Alya, a solution to optimize marketing campaigns. **(Next.js, React, Apollo, Hasura, PostgreSQL, Cypress)**

Dec. 2019 - Jul. 2020 (8 months)

Software Engineer Intern
Combient, Stockholm, Sweden
— Parallel scraping of GitHub **(Go, Dgraph)**
— Design and implementation of metrics to measure the health of open source communities. **(Python, Go, DGraph, Postgress, forcasting)**

Summer 2019 (2 months)

Research Intern
Royal Institute of Technology (KTH), Stockholm, Sweden
— Application of machine learning algorithms directly on source code in order to repair the formatting. **(Python, LSTM)**
— Writting of a scientific paper. **(LaTeX)**

Fall 2018 (6 months)

PROJECTS & ACHIEVEMENTS

French names trend visualisation from the past century until today
— Analysis of the data and creation of an interactive visualisation. **(Data Analysis, t-SNE, Vue, D3.js)**

Fall 2019

Embedding of developers based on the libraries they use
— The goal of this research project is to find new techniques to assess who are the core developers of a project. **(Graph analysis, Co-clustering)**

Spring 2019

Wining team of the Hackathon UTC 2017
— Designing of a concept of a car network that improves security by sharing sensors. **(Arduino, C++)**

Nov. 2017

EDUCATION

Engineering degree, Computer Science, minor in Data Mining
(GPA : 4,7/5)
University of Technology of Compiègne (UTC), Compiègne, France
— In-depth study in *computer science*, *operational research*, *programming techniques*, *algebra* and *statistics*.
— *Data science*, *data engineering*, *decision support*, and *distributed systems*.

2015 - now

Master of Engineering, Information Technology (GPA : 4,05/4,3)
École de Technologie Supérieure (ÉTS), Montréal, Canada
— Managerial skills such as *IT service management*, *project management*, and *portfolio management*.
— Straightening of my knowledge in various fields of information technology including *cloud computing architecture*, *internet security*, and *Human-computer interaction*.

2019 - now