Jérôme BUISINE
PhD Student in IT

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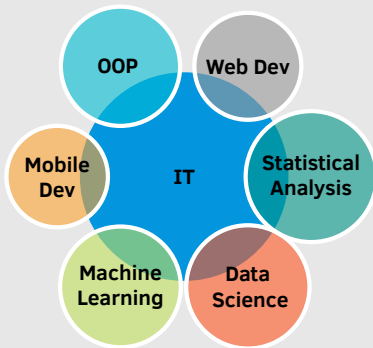
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Skills

Overview

Programming

C++ • Java • Java EE

Python • R • Scala

iOS (Swift) • Android • Web

SQL • LATEX

Languages

French: Native speaker
English: Very good command
Spanish: basic communication skills

Hobbies

Sports: Badminton • Tennis
Reads: Mangas • Scientific books and articles (AI and OR)

Education

| 2016 - 2018 | **IT Master's degree in apprenticeship (high honors)** | ULCO, Calais France |

- Artificial Intelligence (decision trees, perceptron, K-Means, KNN, UCB, neural networks...)
- Operational research (automatic photo album generation project with multi-objective criteria)
- Competition, parallelism and high availability (Haskell)
- Systems, networks and security
- Compilation, Distributed systems, Advanced database

| 2015 - 2016 | **IT Bachelor's degree** | Saint Joseph High School, Boulogne France |

- Java EE, Web development, XML, Database (MySQL, SQL Server), UML, Project Management, Systems...

| 2013 - 2015 | **Two-year technical degree in IT** | Saint Joseph High School, Boulogne France |

- Java/Java EE, C#, Web development, Database (MySQL, SQL Server)

Research

| Sep 2018 - Present | **PhD Student in machine learning** | ULCO, Calais France |

Thesis: *Noise detection in stereoscopic synthetic images by learning methods*
- Modeling a generic noise detection model in stereoscopic images (consideration of different media) in order to reduce the computation time for generating one or more synthesized images

Experiences

| Sep 2017 - Aug 2018 | **Developer / Engineer in apprenticeship** | ArcelorMittal Dunkerque |

- Member of SiMo (Simulations and Models) team.
- Study and modeling of an optimization problem related to the steel production chain using a simulator developed in C++.
- Project management and consideration of customer needs.

| Sep 2016 - Aug 2017 | **Java EE developer in apprenticeship** | IBM CIC Lille |

- Integration of a Java EE project whose finality is the redesign of a new customer portal for a large bank in France.
- Supervision and management of an internal Java EE project.

| Feb 2016 - Aug 2016 | **Java EE Developer in internship** | IBM CIC Lille |

- Creation of a Java EE application to contribute to the successful transition to 1Z0-803 certification for IBM CIC employees. The site must provide simulations of the exam.

Projects

| Nov 2017 - June 2018 | **Augmented Reality for Traffic with Eurotunnel** | ULCO and Eurotunnel |

- **ART**: Development of Eurotunnel AR application for connected glasses (using Vuzix M300) in order to manage more easily traffic during congestion.
- Innovative group project to be carried out as part of the second year of the master's degree.

| Feb 2017 - June 2018 | **Automated generation of Photo album** | ULCO Calais |

- Research project to be carried out as part of the first year of the master's degree.
- Automated generation of photo album using multi objective optimization (Pareto Front, MOEA/D) based on multiple criteria.