Théophile Champion

Medical research, FTC

Education

2012–2015	**Scientific Baccalaureate (A-level)**, *Saint-Ursule*, Tours, *with distinction*. Mathematics speciality
2015–2020	**Expert in Information Technology**, *Epitech*, Nantes. Master's level with a projet pedagogy aiming to create autonomus and skilled IT professionals
2018–2019	**Advanced Computer Science - MSc**, *Kent University*, Canterbury. Computational Intelligence speciality

Professional experience

Sept 2016	**Intern as Web Developer**, *Inéance*, Brest. Four months of internship during which I have developed a web application for veterinarians.
April 2018	**Intern as Data Scientist**, *OwnPage*, Paris. Five months during which I have improved a recommender system running on AWS.

Computer skills

C language	**Procedural Programming**, *Concurrency, parallelism and networking*. I have developed clients and servers implanting the FTP and IRC protocol, a simple virtual machine and a network wherein some artificial intelligences can evolve.
Python Java C++	**Object oriented programming**, *Design patterns*. Acquired by creating an artificial intelligence to play five-in-a-row using Monte Carlo Tree Search and heuristics on different patterns.
Scala Spark	**Functional programming**, *Distributed system*. Learned by developing a system for recommending newsletters' articles using SVD algorithm and EC2 instances.
PostgresSQL S3	**Relational database and flat storage**. Obtained by developing a veterinarians appointment booking website using ZendFramework2.
TensorFlow Octave	**Machine Learning**, *Supervised, unsupervised and reinforcement learning*. I frequently follow online courses (via MOOCs), watch conferences, read books and train on Kaggle problems.

Languages

French	C2	*Native speaker*
English	B2/C1	*Advanced level*

Centers of interests

Classial music	I like to play and listen piano, e.g. Beethoven and Chopin.
Games	I particularly like strategy games, e.g. Go and Chess.

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