



Employment

- 2016 **Cross-platform mobile app** 2-person project
Summer
IRIT/CNRS Intern
● Implemented a cross-platform mobile app for client drawing recognition with ionic2 (Angular2 + Cordova), Node.JS + Express, MongoDB.
● Built REST api to handle draws from clients.

Education

- 2016–2017 **Computer Science** UQAC, Canada
Master
● Artificial Intelligence, Data mining, Big data, Security, Cryptography, Algorithms, Data structures, Web semantic
- 2014–2017 **Computing and Applied Mathematics** ENSEEIH, France
Master
● Functional programming, OOP, Operating Systems, Algorithms, Data structures, Web, Semantic and languages translations, Concurrency, Meta-Programming, Numerical Optimization, Linear algebra, Hilbertian analysis, Differential Calculation, Integration, Probabilities, Statistics

Projects

- 2017 **Cross-platform desktop app** school project
● Implemented a cross-platform desktop app to search for items around places and display a description from Wikipedia. Results are often up-to-date using DBpedia endpoint. (Electron + Angular + SPARQL DBpedia queries)
● Implemented a backend solution to avoid offline and latency problems of DBpedia (MongoDB + NodeJS).
- 2017 **Text summarizer / chatbot** personal project
● Implemented a deep learning text summarizer and chatbot using Sequence to Sequence Neural Network (Python + TensorFlow).
- 2017 **DCGAN image generator** personal project
● Implemented a deep learning image generator based on Deep Convolutional Generative Adversarial Networks. (Python + TensorFlow)
● Trained it on MNIST to draw digits with 97% accuracy.
- 2016 **C# compiler** school project
● Implemented a C# compiler to generate simplified assembly language. (Java)
- 2016 **Web live Editor** school project
● Implemented a web live editor to write, previsualise, save and share web projects. (Java Spring + Angular1)
● Reduced development time by making Yeoman generator to build REST API.

Technologies

Languages **Java, Go, Javascript, Typescript, Python, OCaml, C++, C**

Frameworks **NodeJS, AngularJS, MongoDB, TensorFlow**