



Employment

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|---------------------------------------|---|------------------|
| 2016
Summer
IRIT/CNRS
Intern | Cross-platform mobile app
• Implemented a cross-platform mobile app for client drawing recognition with ionic2 (Angular2 + Cordova), Node.JS + Express, MongoDB.
• Suggested to work with web technologies to build cross-platform apps. | 2-person project |
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Education

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|---------------------|---|-----------------|
| 2016–2017
Master | Computer Science
• Artificial Intelligence, Data mining, Big data, Security, Cryptography, Algorithms, Data structures, Web semantic | UQAC, Canada |
| 2014–2017
Master | Computing and Applied Mathematics
• 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 | ENSEEIH, France |

Projects

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|------|--|------------------|
| 2017 | DCGAN image generator
• Implemented a deep learning image generator based on Generative Adversarial Networks (Python+ TensorFlow). | 1-person project |
| 2017 | Constraint Satisfaction Solver
• Implemented a graph constraints-based solver and applied it on sudoku game. (Python + OCaml)
• Reduce number of backtrack calls by x600. | 1-person project |
| 2017 | Inference Engine
• Implemented an inference engine to make artificial intelligence choosing the best moves for playing video game. (Javascript)
• Created a Prolog-like interpreter (+ lexer and parser) to make it easier to use for everyone. | 1-person project |
| 2016 | Neural-cryptography
• Implemented a cryptographic protocol to exchange key based on neural networks synchronization. (Python)
• Prevent quantum computing with algorithm that is not based on any number theory. | 1-person project |
| 2016 | C# compiler
• Implemented a C# compiler to generate simplified assembly language. (Java) | 2-person project |

Technologies

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

Frameworks **NodeJS, AngularJS, MongoDB**