



# Thomas BARRAS

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## Employment

2016  
IRIT/CNRS  
Intern

### Cross-platform mobile app

2-person project

- Implemented a cross-platform mobile app for client drawing recognition with ionic2 (Angular2 + Cordova), Node.JS + Express, MongoDB.

## Projects

2017

### Cross-platform geo app

personal project

- Implemented a cross-platform desktop app embedding GMaps and allowing client to have info about places. Built with Electron and Angular

2016

### DCGAN image generator

personal project

- Implemented a deep learning image generator based on generative adversarial network with Tensorflow.

2016

### Neural-cryptography

personal project

- Implemented a cryptography protocol to exchange key in Python based on neural networks synchronization.
- Algorithm not based on number theory problems.

2016

### C# compiler

2-person project

- Implemented a C# compiler in Java to generate simplified assembly language.

2016

### Scheduling parallel tasks with DAG

1-person project

- Implemented a Directed Acyclic Graph algorithm with heuristic to schedule parallel tasks with Ocaml.

2015

### Web live editor

personal project

- Implemented a web live editor to write, save and share web projects with Java Spring Boot + Angular1 + Liquibase.
- Reduced development time by making yeoman generator to build REST API.

## Education

2016–2017

### Computer Science

UQAC, Canada

Master (Double degree)

2014–2017

### Computing and Applied Mathematics

ENSEEIH, France

Master (french engineering school)

## Languages

Languages

Java, Go, Javascript, C, Python

Technologies

NodeJS, Angular, MongoDB, TensorFlow