

Thomas BARRAS thomas.barras26@gmail.com

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 and openCV.

Projects

Cross-platform geo app 2017

personal project

· Implemented a cross-platform desktop app embedding GMaps and allowing client to have info about places. Take info from DBpedia to allows querying 'all the museums around Paris' for instance. Electron + Angular

DCGAN image generator 2016

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.

Scheduling parallel tasks with DAG 2016

1-person project

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

Ocaml.

Web live editor 2015

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)

Computing and Applied Mathematics 2014-2017 Master (french engineering school)

ENSEEIHT, France

Languages

Java, Go, Javascript, C, Python Languages

Technologies NodeJS, Angular, MongoDB, TensorFlow