Mohammed Skander Sassi

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Work Experience

Faculty of Sciences of Tunis   Tunis

Internship (End of studies project)   02 - 07/2020

- Implemented a Neural Network hyperparameter tuning pipeline using various algorithms, in Ray Tune and PyTorch.
- Built a web application to launch and monitor tuning experiments using React.js.
- Created two APIs using Flask and Express.js to expose the tuner and the dashboard.
- Designed and Implemented a MongoDB database to store experiments' data.

WeReact   Tunis

Internship   07 - 09/2019

- Contributed to the creation of a training center web application using React.js and Node.js.
- Created a dashboard that enables the admins to manage the web application's content.
- Organized workflow with GitLab.

Personal Projects

- Implemented Neural Style Transfer based on the paper by [Gatys et al.](), in PyTorch.
- Created a web scraper to gather job and internship offers in various formats.
- Implemented an OCR tool to extract, preprocess and store text from PDF files.

Education

Faculty of Sciences of Tunis   2020 - Present

Engineering degree in Computer Science

Faculty of Sciences of Tunis   2017 - 2020

Bachelor's degree in Computer Science

Grombalia High School   2017

Baccalaureate in Mathematics

Skills

Programming: Python JavaScript C++ Shell

Database: MongoDB MySQL

Frameworks & Libraries: PyTorch Flask React.js Node.js

Project Management: Git SCRUM

Languages: Arabic French English