

NATHAN HOCHÉ

DEEP LEARNING DEVELOPER

CONTACT

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📍 Toulouse, France

LINK

Github :
github.com/nathan-hoche
Linkedin :
linkedin.com/in/nathan-hoche/
Kaggle :
kaggle.com/yukiche

LANGUAGE

French : Native
English : B2/C1

DIPLOMA

Master of Science (Computer Science)

2019-2024 - Epitech

Master of Science (Artificial Intelligence) with Distinction

2023 - University of Kent

INFORMATION

My various projects (personal and school) are described on my website and hosted on GitHub.

PROFILE

My goal in the coming years is to invest in innovative AI technologies. So I'm looking for a job that will allow me to deploy my skills in Deep Learning and/or Datamining and live out my passion to the full. Available from October 2024, I'm open to any offers in Europe or elsewhere.

EDUCATION

Epitech - Toulouse (France) 2019-2024

Master of science (Computer Science)

Learn about computing in general, as well as the associated technologies, through various individual or group projects.

Hard skills acquired:

- **Language:** C, C++, Python, Java, JS/TS, Haskell, ASM, HTML/CSS
- **Technology:**
 - **Artificial Intelligence:** Search algorithms, clustering, decision tree, neural network, ...
 - **FrontEnd:** ReactJS, Bootstrap,
 - **BackEnd:** Flask, ExpressJS, NestJs
 - **Mobile:** React Native
 - **DevOps:** Docker, Jenkins
 - **Software:** ElectronJS, Tkinter, Pygame, CSFML
 - **Data:** MongoDB, RethinkDB

Soft skills acquired:

- Project Management (Github, Gitlab, Méthode Agile)
- Task Tracking (Jira, Trello, ...)

University of Kent - Canterbury (England) 2022-2023

Master of Science (Artificial Intelligence)

In-depth learning of artificial intelligence (Machine Learning, Deep Learning, Data Science, Natural Processing, etc.).

Skills acquired:

- **Theoretical learning** (Scientific research, scientific publications, etc.)

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FINAL PROJECT (EPITECH)

Group: 11 students

Duration: 3 years

Objective: Create a solution for a real world problem

Our project: Implementation of a system for detecting Datura (a toxic plant) in fields. As well as setting up the software to use it (website, mobile application, server backend, etc.).

My achievements:

Implementation and training of the yoloV5-based plant detection AI, support for the backend and various websites.

FINAL DISSERTATION (KENT)

Duration: 6 months

Theme: Composer classification

Title: Instruments a key parameter for composer classification models.

My achievements:

Implementation of models in Keras using Midi files as input, and as output a decision tree to identify the most suitable instruments for classifying composers.

• Technology:

- **Data management:** pandas, numpy
 - **Data visualization:** matplotlib, plotly, seaborn
 - **Algorithms:** scikit-learn
 - **Deep Learning:** Keras, TensorFlow, Google Collab
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WORK EXPERIENCE

Expleo - Toulouse (France)

03/2024 - 09/2024

Artificial Intelligence Internship

Research and implementation of speech recognition models for the creation of voice control systems in robotics.

PAARLY - Toulouse (France)

02/2022 - 07/2022

Data Science Internship

- Implementation of a JS scraper / crawler to retrieve product information from over 50 websites.
- Implemented selenium on servers to manage complex websites.
- Management and documentation of scrapers in puppeteer.
- Training and support for new trainees.

PAARLY - Toulouse (France)

08/2020 - 12/2020

Data Science Internship

Implementation of a JS scraper / crawler to retrieve product information from over 30 websites.

VOLUNTEERING

Hubs EPITECH - Toulouse (France)

2020 - 2024

Organisation of more than 10 talks and 20 workshops for undergraduates (mainly on Artificial Intelligence and Web Scraping)

E-mma - Toulouse (France)

2019 - 2020

Organisation of talks and workshops for children and teenagers to promote diversity in IT.
