

NATHAN HABIB

Software engineering student at EPITA
Software Engineering Internship

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PROFESSIONAL EXPERIENCE

Software Engineering Intern

Norbert Health

📅 Sep 2021 - Jan 2022

📍 Paris

- Norbert Health is a startup making an ambient vital sign scanner.
- Prototyped contactless blood pressure monitoring.
- Built QA tools, adding metrics and data visualization for better development cycle.
- *Docker, python, C++, Gitlab/CI/CD, Jira, Agile programming*

Research Intern

Laboratoire de Recherche et Developpement de l'Epita, LRDE

📅 Jun 2020 - Aug 2020

📍 Paris

- Find the report [here](#).
- Used convolutional neural networks to segment lesions in lung's CT-scans.
- Used explainable artificial intelligence to get more reliable results.
- *python, Jupyter Notebooks, Tensorflow, LaTeX*

PROJECTS

Python :

- **Foo.bar coding challenge:** Coding challenge by Google, invitation based, and used for hiring.
- **Practical MLOps:** Streamlined AI models to production using CI/CD and cloud providers with the book *Practical MLOps: Operationalizing Machine Learning Models*.
- **Linear Algebra:** Studied the numpy library by constructing linear algebra tools.
- **JPEG compression:** Developed the JPEG algorithm.

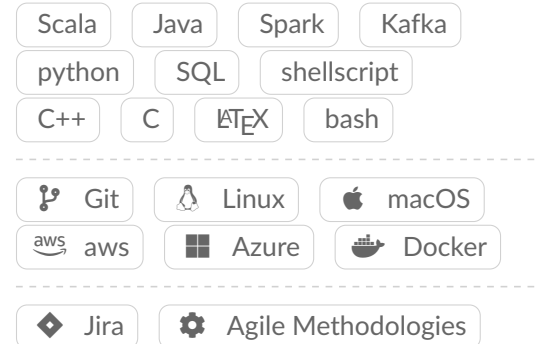
Scala/Java :

- **Scala - Peaceland:** Big data project: generation, streaming, processing and storage of data being sent from drones flying over a city.
- **Scala - Functional Programming:** Studied Functional Programming using the book: *Functional Programming in Scala*.
- **Java - Java Web Services:** REST API from scratch, built using a layered architecture.
- **Java - PING:** Built a fully functional IDE.

C/C++ :

- **C++ - Chess:** Chess engine capable of playing against human players and other bots online.
- **C++ - Neural network:** Developed a neural network from scratch.
- **C - 42sh:** Built a shell conforming to the POSIX norm.
- **C - Libstream:** Built IO functions from the C standard library.

CORE COMPETENCIES



EDUCATION

Master of engineering
Software engineering and data science
EPITA

📅 Sept 2018 - Jun 2023

Study abroad

Oxford Brookes University, Oxford

📅 Jan 2020 - May 2020

Baccalauréat Scientifique

Lycée du St Esprit, Beauvais

📅 Sept 2015 - Jun 2018

INFO

Nationalities :

- French
- American

French



English



HOBBIES

- Rock climbing (15h / week)
- Guitar (mostly self-taught) for 5 years.
- Linux ricing (workflow and workspace customization under a Unix system)
- Learning about new technologies