ALEXANDRE LAM

Institut Mines-Télécom Lille Douai

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EXPERIENCE

RATP Infrastructures
Study and writing of software development specifications

📅 May 2020 - July 2020 📍 Val de Fontenay, Paris

- Infrastructure RATP : Paris Public Transport Company's Infrastructure
- Developed the functional specifications of the future RATP crisis management software
- Analysed the RATP environment and network operation
- Collected needs from different actors
- Created mockups using Figma

Energy Formation, GRDF, France's leading natural gas distribution company
Maintenance technician

📅 February 2019 – Avril 2019 📍 Gennevilliers, Paris

- Participated in maintenance activities of educational facilities
- Participated in the laying out of the showroom
- Participated in various trainings on gas professions

TECHNICAL SKILLS

- Python, Django, Django-Rest-Framework
- C programming
- HTML, CSS, Javascript
- React, Gatsby, ECMAScript
- Linux, Git, Github

EDUCATION

Engineering school (Master's degree)
Institut Mines-Télécom Lille Douai

📅 2018 – 2023 📍 Lille, Villeneuve d'Ascq - Douai

Bac S | High School Diploma with high honours
Lycée Descartes

📅 2015 – 2018 📍 Montigny-le-Bretonneux, Yveline

LANGUAGES

- English: Toeic 990 (November 2020)
- Mandarin: Elementary
- Cantonese: Intermediate
- Spanish: Intermediate

PROJECTS

RATP visualization software

📅 July 2020

- Developed a visualisation software parsing data from Vigicrue API and making it easier to use
- Stack : Gatsby, React, Graphql, Git, Github Pages, AntD

https://alexandrelam.github.io/portfolio/projets/ratp

Image-labeling fullstack application

📅 Avril 2020 – Juin 2020

- Developed a fullstack application that allows you to label images for the training of a machine learning for computer vision algorithm
- Developed a RESTful API using Python and Django
- Developed frontend using React, Konva and Antd
- Stack : Python, Django, React, Github

https://alexandrelam.github.io/portfolio/projets/labellisation

Function plotter

📅 January 2020 – February 2020

- Developed an application, similar to geogebra, which allows you to view the curve of an input function
- Developed the user interface with OpenGL
- Algorithmic, binary tree, stack, linked-list, algorithm: Shunting-yard, sorting (quicksort,..)
- Stack : C programming, OpenGL

https://alexandrelam.github.io/portfolio/projets/grapheur

Machine Learning And Genetic Algorithm

📅 February 2019 – Avril 2019

- Created an unsupervised machine learning algorithm based on the game FlappyBird
- Genetics algorithm with a neural network from scratch with numpy
- Stack : Python, Pygame, Numpy

https://alexandrelam.github.io/portfolio/projets/machinelearning