

Vincent Barbosa Vaz

MSc Student Majoring in Data Science and AI

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Education

MSc student, French engineering school, ESIEE Paris

Noisy-le-Grand, France

Studying for MSc in Engineering, majoring in Data Science and artificial Intelligence

2014 - 2020 (expected)

Ranked in top 20% of the first three years (17/170 students)

Baccalauréat S, French High School, Françoise Cabrini

Noisy-le-Grand, France

National secondary level diploma in math and physics, with honors

2014

Work Experience

Creativity and Design Manager, Junior ESIEE (Junior Enterprise)

May 2018 - May 2019

Student association which undertakes research and project work for companies and institutions.

Involved in prospecting for contracts, working on projects and liaising with clients.

Full Stack Developer, Primeum

Paris, France

Software company dedicated on Incentive Compensation. Developed different tools to

facilitate the work of managers using JS Library ExtJS - AJAX - PHP - SQL HTML CSS

July 2017 - Oct 2017

Laboratory assistant, CSTB: Scientific and Technical Center for Construction

July 2015

Handled computer-assisted laboratory experiments and wrote test report

Skills and Relevant Coursework

Data Science: Python (Numpy, Scikit-learn, Pandas, Scrapy, Dash, Flask), R (Shiny, Tidyverse, Dplyr), DB (MongoDB)

Web: HTML, CSS, JS, PHP, SQL, MySQL **DevOps:** Docker **Version Control:** Git **Designing:** Inkscape

Relevant Coursework: Machine Learning, Probability & Statistics in Data Science, Data Engineering, Data Visualization in R and Python

Data mining in R, Graph and Algorithms, Database (SQL), OpenData Python

Projects:

Data Engineering: Scraping and Web Crawling (Scrapy), store data (MongoDB), web application (Flask), container platform (Docker)

Data Visualization: interactive visualizations (map and graphs) presented as dashboards using Paris subway dataset

> **Dashboard Python :** dash dashboard, pandas, matplotlib, folium

> **Dashboard R :** shiny dashboard, dplyr, ggplot2, leaflet

Recommender system: content based and collaborative filtering on real estate data

A-Star algorithm: designed resource assignment problem, pathfinding and graph traversal

Developed a 2D adventure game in Java: IHM

Color sorter robot: handled image processing using OpenCV, C programming

Created a database and Java application for a e-commerce website: PL/SQL, relational database

Languages: French (native), English (advanced), Portuguese and Spanish (solid basic knowledge)

Awards

ESIEE Paris First prize Coaching Entrepreneurship and Innovation Contest:

June 2018

Awarded \$1700 with Plantinnov (founder), an agriculture based project including machine learning

Project Day (ESIEE Paris) - Texas Instruments, highly commended by the jury

June 2018

with the project Plantinnov

Personal Interests

Piano (12 years Conservatory of Music) , Cooking (French pastries), Cycling, Reading, Electronics/Maker community/3D printing

References available on request