Vincent Barbosa Vaz

MSc Student Majoring in Data Science and AI

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Education

MSc student, French engineering school, ESIEE Paris (GPA 3.1)
Studying for MSc in Engineering, majoring in Data Science and Artificial Intelligence

Noisy-le-Grand, France
2014 - 2020 (expected)

Baccalauréat, Science major, **French High School, Françoise Cabrini**
National secondary level diploma in math and physics, with high honors

Noisy-le-Grand, France
2014

Work Experience

Data Scientist, Bon de Visite

Sept. 2018 - April 2019

One year academic project in partnership with the company Bon de Visite, the "Netflix of real estate". Developed a content-based and collaborative filtering recommender system on real estate data. Design and implementation of natural language processing on the descriptions of properties advertisements.

Creativity and Design Director, Junior ESIEE (Junior Enterprise)

May 2018 - May 2019

Member of the board of directors, managed a team of ~40 people. Student association which undertakes research and project work for companies and institutions. Involved in prospecting for contracts, working on projects and liaising with clients. In charge of recruitment campaigns and all communication media: posters, flyers, business cards, videos.

Full Stack Developer, Primeum

Paris, France
July 2017 - Oct 2017

Software company dedicated on Incentive Compensation. Developed a user-friendly interface for the customer support team to gather incident reports from the database log. Generate reports, provide indicators of cause and recommendations for further actions. Highly positive feedbacks with a 2 years integration of the service. Interface developed using JavaScript framework, HTML, CSS, PHP and Ajax, with SQL Server as the backend database.

Laboratory assistant, CSTB: Scientific and Technical Center for Building

July 2015

Handled computer-assisted laboratory experiments and wrote test reports.

Skills and Relevant Coursework

Data Science: Python (Numpy, Scikit-learn, Pandas, Scrapy, Dash, Flask), R (Shiny, Tidyverse, Dplyr), DB (MongoDB) **DevOps:** Docker
Web: HTML, CSS, JS, PHP, SQL, MySQL **Version Control:** Git **Designing:** Inkscape **Others:** Java, C, Latex, C++, Matlab

Relevant Coursework: Machine Learning, Probability & Statistics in Data Science, Data Engineering, Data Visualization in R and Python, Data mining in R, Graph and Algorithms, Data Structures, Database (SQL), OpenData Python

Projects:

    Data Engineering: IMDb crawler (Scrapy), store data (MongoDB), web application (Flask), container platform (Docker)
    Data Visualization: interactive visualizations (map and graphs) in dashboards using Paris subway datasets. Developed in both R (shiny dashboard, ggplot2, leaflet) and Python (dash, folium) languages.
    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

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. Spearheaded a team of 4 developers and embedded systems engineering students. Designed an aquaponic system with actuators and sensors. Collect produced data from environments and plants (computer vision), and apply machine learning to increase productivity.

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