

Vincent Barbosa Vaz

MSc Student Majoring in Data Science and AI

Looking for an **end-of-degree internship** from **January to August 2020 (at least 6 months, willing to relocate)**. I am a data science enthusiast. Passionate about natural language processing, explainability of AI and deep learning.

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Education

MSc student, French engineering school, ESIEE Paris GPA: 3.5 2014 - 2020 (expected)
Studying for MSc in Engineering, majoring in Data Science and Artificial Intelligence France

Baccalauréat, Science major, French High School, Françoise Cabrini 2014
National secondary level diploma in math and physics, with high honors Noisy-le-Grand, France

Experience

Research Intern - Deep Learning June 2019 - August 2019
Interned in the Audio-visual Information Processing Lab (VIP Lab) for the CAPES/COFECUB Research Program. Development of a class-agnostic counter based on Erika Lu's paper. Implemented two new datasets (UCF-CC-50 and UCF-QNRF) for a potential application in crowd analysis, with promising first results. Belo Horizonte, Brazil

Data Scientist, Homadata Sept. 2018 - April 2019
One year academic project in partnership with the company Homadata, 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. France

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. France

Full Stack Developer, Primeum July 2017 - Oct 2017
Software company dedicated on Incentive Compensation. Developed a user-friendly web interface for the customer support team to gather incident reports from the database log. Highly positive feedbacks with a 2 years integration of the service. Interface developed using JavaScript, HTML, CSS, PHP and Ajax, with SQL Server as the backend database. Paris, France

Laboratory assistant, CSTB: Scientific and Technical Center for Building July 2015
Handled computer-assisted laboratory experiments and wrote test reports. France

Skills and Relevant Coursework

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

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

Others: Java, C, Latex, C++, Matlab, Scala, Prototyping (Arduino, 3D printing)

Relevant Coursework: Deep Learning, 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, Functional Programming, Big Data Analytics, Ethics of Algorithms, Feature Engineering (NLP, Computer Vision), Optimization, IBM prescriptive analytics.

Languages: French (native), English (TOEIC: 935/990), Portuguese and Spanish (intermediate).

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. Collected produced data from different 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 Plantinnov project.

Personal Interests

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