João Diogo Fernandes Louro

jd.louro@outlook.pt

+351 96 94 94 0 94

www.louro.xyz

linkedin.com/in/fernandeslouro

github.com/fernandeslouro

Data Scientist with experience in delivering and deploying machine learning models. Strong interpersonal and leadership skills, attained working in fast-paced environments with international partners. Interested in improving my knowledge in areas outside my expertise.

EDUCATION

University of Lisbon - Instituto Superior Técnico — Portugal
Integrated Master's Degree in Aerospace Engineering; 16/20 — *Sep 13 - Dec 18*
  - Graduated with a Major in Avionics/Electronics and a Minor in Control&Systems;
  - IST was ranked #11 Engineering University in Europe and #1 in Portugal in the USNews 2018 University Ranking;
  - Aerospace Engineering at IST was the university course with the highest access grade in Portugal in the last two years.

Universitat Politècnica de Catalunya - BarcelonaTech — Spain
Master's Degree in Aerospace Engineering - Erasmus Program; 8.25/10 — *Sep 16 - Feb 17*
  - BarcelonaTech was ranked #12 Engineering University in Europe and #1 in Spain in the USNews 2018 University Ranking.

DATA SCIENCE AND RESEARCH EXPERIENCE

Feedzai — Portugal
Data Scientist — *Jun 19 - Present*
  - Feedzai was ranked #15 on Forbes' 2019 AI 50: America's Most Promising Artificial Intelligence Companies;
  - Developed and deployed a model for fraud-detection currently processing 300.000 daily transactions in real time;
  - Organizer of weekly company-wide knowledge sharing event, mostly on data science and machine learning.

GMV, Embraer — Portugal
Master's Thesis Intern — *Feb 18 - Nov 18*
  - Developed a C++ application for end-to-end delay analysis of AFDX (Avionics Full-DupleX Switched) networks, the new standard in commercial aviation data buses;
  - Detected inconsistencies in relevant research on worst-case end-to-end latencies in avionics networks.
  - Contributed to update of the state-of-the-art in the field.

Data Science for Social Good Europe — Portugal
Researcher — *Sep 17 - Sep 18*
  - Developed a proof-of-concept logistic regression model to pinpoint unlicensed swimming pools using RGB high-definition satellite imagery for the Municipality of Cascais, Portugal.

University of Chicago Data Science for Social Good Fellowship — Portugal
Fellow, Team Leader — *Jun 17 - Sep 17*
  - Led a team throughout the development and delivery of a gradient boosting classifier to detect vegetated rooftops in Rotterdam using aerial imagery and the Netherlands building database;
  - Maintained a close relationship with the Municipality of Rotterdam, with weekly remote meetings;
  - Awarded with a travel grant to present the work at the 2017 DSSG Conference, in Chicago, USA.

LEADERSHIP AND VOLUNTEERING EXPERIENCE

Aerotéc - Aerospace Engineering Students' Board — Portugal
Senior Member — *Sep 14 - Feb 18*
  - Competed in the 2017 Air Cargo Challenge, a European competition aimed at aerospace engineering students. Team achieved 15th place out of 28, with relatively low funding and support;
  - Led the organization of Aerospace Weeks, week-long events joining prominent players in the Portuguese and European aerospace industry and undergraduates.

Leigos Missionários da Consolata — Guinea-Bissau
International Volunteer, Informatics Teacher — *Jul 14 - Sep 14*
  - Taught classes to young adults and provided aid in a humanitarian mission's various actions;
  - Organized fund raiser campaigns and events, such as a live music dinner with 100+ attendants;
  - Trip featured in the September 2014 edition of the Fátima Missionria magazine.

ADDITIONAL INFORMATION

Technical Skills: Programming Languages - Python (most ML libraries), SQL, C++, C, Matlab/Octave, Excel, HTML. Frameworks - Spark, Hadoop, Linux, git, Amazon Web Services, Microsoft Azure, Google Cloud Platform.

Languages: Portuguese (native), English (highly fluent), Italian(conversational), Spanish (conversational), French (basic).

Honors: Highest university access grade in the Mação municipality of the 2012/13 academic year, near-perfect score on the Portuguese standardized maths exam (196/200).

Certificates: Bloomberg Market Concepts.

Interests: History, Fitness, Winemaking, Free and Open Source Software.