

EDUCATION

Imperial College London

Biomedical Engineering Masters of Engineering: Computational Bioengineering Specialization

London

Class of 2023

- First Class Honours in all three years.
- Relevant courses: Reinforcement Learning, AI, Optimization, Programming 2, Information Theory.
- Active member of Imperial's Data Science Society and Google's Developer Student Club.

Escola Secundária Domingos Sequeira

Secondary School

Leiria, Portugal

Class of 2018

- Top of my class during all 3 years of Secondary School (overall grade of 19 out of 20).

PROFESSIONAL EXPERIENCE

Goldman Sachs

Engineering/Technology Summer Analyst

Birmingham

June 2022 – Aug 2022

- Built from scratch a fully functional performance testing framework for a new web app hosted on AWS.
- Integrated the framework into QA testing.
- Received a Returning Offer as a Full-Time Analyst.

Imperial College London

Undergraduate Research Assistant

London

April 2022-June 2022

- Project Title: "Removing skin-colour bias in eczema severity scoring using image-to-image translation"
- Utilized a CycleGAN neural network to change the skin colour of medical images.
- Investigated ways to reduce the impact of inter-study image variability.

J.P. Morgan

Spring Insight Week

London

April 2021

- Analysed several case studies as part of a team, presenting our findings to 100+ colleagues.

Technology Brand Ambassador

Aug 2020 – Mar 2021

- Represented J.P. Morgan Tech division both on campus and virtually, collaborating with other ambassadors.
- Achieved 2 out of the 3 year-long campaign goals in the first 3 months of the campaign.

PROJECTS

Design of Computationally Efficient Algorithm for Predicting Eczema Severity

October 2022 – Present

- Researching statistical machine learning techniques to improve the computational efficiency of a Bayesian Model.
- Investigating possible ways to make the model support online learning.
- Master's Thesis.

Deep Learning Group Project with Third Eye Intelligence

October 2021 – June 2022

- Developed a deep learning model that given a chest X-Ray, outputs similar chest X-Rays with distinct medical reports, to aid differential diagnosis.
- Collaborated with Third Eye Intelligence, an Imperial College start-up.

Remote Patient Monitoring Project

October 2021-January 2022

- Created a Java desktop application, working mainly on backend and database (PostgreSQL).

OTHER EXPERIENCE

Imperial College London

Outreach Student Ambassador

London
Nov 2022-Present

- Organizing and representing the college at recruitment events.
- Mentoring and tutoring students.
- Helping prospective students navigate the university application process.

J.P. Morgan

Code for Good Hackathon

London
October 2022

- Developed a web app in 24 hours for FRAME (non-profit).
- Technologies used: React, Node.js, MongoDB.
- Received an internship offer after the event.

Escola Secundária Domingos Sequeira

Student Representative

Leiria, Portugal
Oct 2016 – June 2017

- Organized meetings with the School Board to discuss concerns raised by the student body.

AWARDS

- **Dean's List 3rd Year** (awarded to top 10% of cohort at the Department of Bioengineering, Imperial College).
- **Facebook Analytics Academy 2020 – 2nd Place.**
- **“Quadro de Honra”** during all three years of secondary school (awarded to top performing students in Portugal).

VOLUNTEERING

- **Local Beach Cleaning** in Leiria, Portugal.
- **Covid-19 Vaccination Centre Steward** in Leiria, Portugal.
- **Aston Villa Foundation** (1 day event).

SKILLS

Coding: Proficient in Python, SQL, C++, R, MATLAB and Terraform. Experienced with AWS.

Libraries: PyTorch, NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn, Boto3.

Languages: Fluent in Portuguese and English. Elementary Proficiency in Spanish and German.

Music: First trumpet in my school's orchestra for 3 years. Finalist in “Terras de La Salette” International Contest.

Sport: Tennis player for 5 years. Member of Portuguese Tennis Federation.