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# Beatrice Federici

## Data Scientist / Junior Developer

Portfolio: [Beatrix-droid.github.io](https://Beatrix-droid.github.io)  
Beatrix-droid  
in Beatrice Federici

A reliable, energetic, self motivated and resourceful individual with a Masters in Mathematical Sciences, that has recently graduated from a Data Science Bootcamp and is also a self taught back-end web developer. With a passion for learning and taking up new challenges, and experienced in working in teams, teaching and coaching.

### SKILLS

<b>Tools and Languages</b>	Debian- based Linux distros, Python, Git, LaTeX, Markdown, Golang, Tensorflow, Flask, Docker, GCP, Heroku, Bootstrap
<b>Quantitative Research</b>	Mathematical optimization, Mathematical Modeling, MySQL, Matlab, Tensorflow, Pandas, Jupyter Notebooks, Scikit-Learn
<b>Communication</b>	English, Italian (fluent in both reading, writing and speaking), French (basic reading, writing and speaking)

### TECHNICAL EXPERIENCE

#### Le Wagon London / Data Science Bootcamp January 2022 — March 2022

- intensive coding bootcamp to learn Data Science with Python.
- Data Analytics with SQL, BigQuery, Pandas, Numpy, and Matplotlib
- Statistics with Scipy, Seaborn and Statsmodels
- Machine Learning with Scikit-learn; Deep Learning with TensorFlow Keras
- developed Data Products with Google Cloud Platform, ML Flow, Flask, Heroku and Streamlit.

#### Free Code Camp certification / self taught Python and GoLang for back- end web development March 2021 — July 2021

- Achieved the Scientific Computing with Python certification issued by free Code camp
- Taught myself some back-end web development learning Flask, SQL, GoLang, git, GitHub, Heroku as well as some HTML, CSS, Bootstrap.
- Designed and implemented flask-based web scraper, a tkinter based weather app, and an API about UK wild plants using MongoDB and the FASTAPI python framework

#### Masters in Mathematical Sciences September 2019 — June 2020

- technical modules: Numerical approximations to partial differential equations, Complex and asymptotic analysis, Hilbert Spaces, Analytic number theory and Lie algebras.
- learnt MATLAB by finding numerical approximations to PDEs.
- Individual project on Fourier series in  $L^p$  spaces

#### Chef de partie at Manahatta, York Sep 2020 — Dec 2021

- Worked with the chef brigade. I was responsible for aiding them in the food preparation, as well as keeping kitchen equipment clean and tidy and up to sanitary standards..

### EDUCATION

<b>Master In Mathematical Sciences</b> , <i>University of York</i>	2019—2020
<b>BSc in Mathematics and Philosophy</b> , <i>University of York</i>	2016—2019
<b>BCS Foundation Certificate in Business Analysis V4.0</b> , <i>Pearson VUE</i>	24 September 2022
<b>UiPath Certified RPA Associate v1.0</b> , <i>Pearson VUE</i>	9 November 2022
<b>International Baccalaureate</b> , <i>St. Stephens School, Rome, Italy</i>	2012 — 2016

### ACTIVITIES

Peer Assisted Learning tutor for the Department of Electronic Engineering, University Of York	2017 — 2018
Peer Assisted Learning tutor for the Department of Philosophy, University Of York	2017 — 2018
Volunteer in the Students in Schools Scheme for the York Maths Excellence Club	Jan 2018—Jun 2018
Tutor in Mathematics, St. Stephens School, Rome, Italy	2015—2106