

Dynamic and results-oriented Junior RPA Developer with a Master's degree in Mathematics, proficiency in UiPath, and a comprehensive understanding of Data Science methodologies acquired through a rigorous Data Science Bootcamp. Skilled in backend web development, self-taught and driven by a passion for continuous learning and embracing new challenges. A collaborative team player with adeptness in teaching, coaching, and fostering a positive work environment.

SKILLS

Tools and Languages	Python, C#, SQL< Debian- based Linux distros, REST APIs and JSON, Selenium Git, Github, Github Actions, the fundamentals of Kubernetes and Docker, LaTeX, Markdown, Tensorflow, Flask, Docker, GCP, Heroku, Bootstrap, UiPath, Microsoft PowerApps
Quantitative Research	Mathematical optimization, Mathematical Modeling, MySQL, Matlab, Tensorflow, Pandas, Jupyter Note- books, Scikit-Learn , VB.net
Communication	English, Italian (fluent in both reading, writing and speaking), French (basic reading, writing and speak- ing)

TECHNICAL EXPERIENCE

Junior RPA developer/Graduate Technical consultant - Liberty Global

- experience in using python, C#, javascript, SQL and UiPath in a professional capacity for 2 years.
- Obtained UiPath Certified RPA Associate v1.0 certification.
- Designed and configured RPA processes using UiPath Studio, Orchestrator, and C, alongside version control with GitHub.
- Produced and maintained comprehensive solution documentation, including high-level design and process definition documents.
- Developed developer documentation to enhance automation team efficiency, including documentation of previously undiscovered APIs for improved process performance.
- Collaboratively engineered a unified Power Apps Application integrating leave booking, office attendance, and expense submission functionalities.
- participated in a week-long GCP bootcamp, mastering cloud tools like buckets, cloud functions, and machine learning model training.
- Assisted DevOps developer in Kubernetes learning, gaining practical experience with kubectl and Kubernetes YAML file creation for web applications.
- Worked for Liberty Global on behalf of The Software Institute (they deployed me there)

Freelance Developer: Web Trivia App Development for LOKAL

1 Sept 2023 — 7 Oct 2023

- Developed and deployed an engaging web trivia app using Vue.js, TypeScript, and a Web API, enhancing LOKAL's audience interaction.
- Dockerized the application for efficient deployment and scaling, then pushed it to Docker Hub for easy access and management.
- Authored Kubernetes configuration files for seamless orchestration, ensuring automated deployment, scaling, and operational efficiency.
- Utilized Render Cloud for deployment, taking advantage of its scalability and reliability to ensure optimal app performance. Worked closely with LOKAL stakeholders to align app features with business goals, iteratively refining the product based on feedback.

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, C#, 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

☎ (+44) 7933 227501
York, UK
✉ beatrice.federici123@gmail.com

Beatrice Federici

Data Scientist / Junior Developer

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

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

Master In Mathematical Sciences, <i>University of York</i>	2019—2020
BSc in Mathematics and Philosophy, <i>University of York</i>	2016—2019
BCS Foundation Certificate in Business Analysis V4.0, <i>Pearson VUE</i>	24 September 2022
UiPath Certified RPA Associate v1.0 , <i>Pearson VUE</i>	9 November 2022
International Baccalaureate, <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, <i>St. Stephens School, Rome, Italy</i>	2015—2106