

Caterina Bonan

PhD in Linguistics | Junior Language scientist



Portfolio



CaterinaBi



LinkedIn



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07983818663

SELECTED EXPERIENCE

AICORE | DATA AND AI TRAINEE

May 2022 – Present | London, UK

Training in AI & Data Engineering using industry-standard tools. Working on multiple industry projects throughout.

- Core skills: Software engineering (Git & GitHub, advanced Python, algorithms & data structures); Data engineering (SQL, data lakes, data warehousing, web scraping; Cloud Engineering (cloud computing, designing and building APIs, Docker, Apache Airflow, AWS Serverless Stack).

UNIVERSITY OF CAMBRIDGE | POSTDOCTORAL RESEARCHER

September 2019 – Current | Cambridge, UK

Postdoctoral research on comparative Romance syntax. Worked on 30+ standard and non-standard varieties throughout. Published 8 peer-reviewed research articles, 2 edited volumes and 1 research monograph. Awarded a SNSF 'PostDoc.mobility' scholarship twice.

- Tools: Excel for data analysis and visualisation, Python, Matplotlib, SQL, LaTeX, VS code, Microsoft Word and Power Point.
- Links to scientific writing samples: Cadernos, IOS Press, Glossa, Isogloss.

UNIVERSITÉ DE GENÈVE | DOCTORAL RESEARCHER

September 2015 – August 2019 | Geneva, CH

Fully-funded doctoral research as part of the SNSF-funded 'Wh-in situ in French interrogatives: Prosody and Syntax' research group. Worked on standard and non-standard French, and 50+ northern Italian varieties. Published 3 research articles, 1 co-edited volume, and defended a PhD dissertation cum laude.

- Tools: Excel for data analysis and visualisation, Python, Praat, LaTeX, Microsoft Word and Power Point.

ELSE: CONSEIL, CRÉATION, ÉDITION | TRANSLATOR (IT>FR)

March 2014 – May 2014 | Paris, FR

Translation of book 'Grands écrivains: Les auteurs célèbres vus par de grands photographes' (Éditions du Chêne, 522 pp.; ISBN 978-2-8123-1085-0).

EXPERIENCE THROUGH PROJECTS

CHESS ENGINE | C++

2018

- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin ullamcorper venenatis nisi at suscipit. Vestibulum vel odio in diam ultrices posuere. Cras suscipit faucibus ullamcorper.
- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin ullamcorper venenatis nisi at suscipit.

SPEECH-ENABLED CHATBOT | C#, MICROSOFT BOT FRAMEWORK

2018

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- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Proin ullamcorper venenatis nisi at suscipit.

SKILLS

PROGRAMMING

Intermediate:

Python • LaTeX

Familiar:

Java • HTML

LIBRARIES/Frameworks

OpenCV • TensorFlow • Selenium
PyTorch • pandas • Matplotlib

TOOLS/PLATFORMS

Git • GitHub • Docker • SQL

LINGUISTICS

Syntax, Documentation, Data modelling, IPA, Praat.

EDUCATION

MSC IN COMPUTER SCIENCE (WITH AI)

UNIVERSITY OF YORK

Nov 2021 - Present (on a leave of absence)

PHD IN LINGUISTICS

UNIVERSITÉ DE GENÈVE

December 2015 - May 2019

MA IN SCIENCE OF LANGUAGE

UNIVERSITÀ CA' FOSCARI VENEZIA

October 2011 - June 2013

BA IN SCIENCE OF LANGUAGE

UNIVERSITÀ CA' FOSCARI

September 2008 - October 2011

CERTIFICATES

(March 2022 - Present)

Programming in Python for AI.

UDACITY

September 2022 - Present

NLP Specialization.

DEEPLARNING.AI

May 2022 - September 2022

Python Programmer Certificate.

AICORE

December 2015 - December 2017

Specialisation in Linguistics (30

ECTS). UNIVERSITÉ DE GENÈVE

CURIOSITIES

I'm a retired pro volleyball player, and since 2015 I have attracted research funds for more than 400.000CHF (about £375.000).