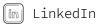
# Caterina Bonan

## PhD in Linguistics | Junior Language scientist



Portfolio

CaterinaBi



catherinebonan@gmail.com



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, Microsoft Word and Power Point.
- → 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 "research group.

→ 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

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## **SPEECH-ENABLED CHATBOT** | C#, MICROSOFT BOT FRAMEWORK

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## 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 Al. UDACITY

September 2022 - Present NLP Specialization. DEEPLEARNING.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).