

# Caterina Bonan

Language scientist



Portfolio



CaterinaBi



LinkedIn



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

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- Core skills: Excel for data analysis and visualisation, Python, Matplotlib, SQL, LaTeX, Microsoft Word and Power Point.

### UNIVERSITÉ DE GENÈVE | DOCTORAL RESEARCHER

September 2015 – August 2019 | Geneva, CH

- Core skills: 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

- 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.

## SKILLS

### PROGRAMMING

Intermediate:

Python • LaTeX

Familiar:

Java • HTML

### LIBRARIES/Frameworks

OpenCV • TensorFlow • Selenium  
PyTorch • pandas

### TOOLS/PLATFORMS

Git • GitHub • Docker

### LINGUISTICS

Syntax, Documentation, Data  
modelling, IPA, Praat.

## EDUCATION

### UNIVERSITY OF YORK

MSc IN COMPUTER SCIENCE WITH AI

Nov 2021 - Present (on a leave of absence)

### UNIVERSITÉ DE GENÈVE

PhD IN LINGUISTICS

May 2019

### UNIVERSITÀ CA' FOSCARI

MA IN SCIENCE OF LANGUAGE

June 2013

### UNIVERSITÀ CA' FOSCARI

BA IN SCIENCE OF LANGUAGE

October 2011

## CERTIFICATES

### UDACITY

PROGRAMMING IN PYTHON FOR AI  
(In progress)

### AICORE

PYTHON PROGRAMMER CERTIFICATE

September 2022

### UNIVERSITÉ DE GENÈVE

CERTIFICATE OF SPECIALISATION IN  
LINGUISTICS

December 2017

## CURIOSITIES

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