

# HELENA CANEVER, PhD

Data Scientist with research experience in life science

“Jeune docteure” eligible for the Crédit Impôt Recherche

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 helenacanever  
 HelenaCanever  
 helenacanever.github.io

## PROFESSIONAL EXPERIENCE

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### DATA SCIENTIST – JEDHA IN PARIS, FRANCE (March – June 2022)

TEAM PROJECT DEVELOPER - “DEEPPAKE DETECTION”

- Deep Learning, CNN, LSTM, Docker, Streamlit
- Development of deep learning algorithms for Deepfake detection in video and image data
- Deployment of an interface for Deepfake detection online

### GRADUATE STUDENT - UNIVERSITÉ DE PARIS (FRANCE) (2017 - 2021)

NICOLAS BORGHINI TEAM “MECHANOTRANSDUCTION: FROM CELL SURFACE TO NUCLEUS” AT INSTITUT JACQUES MONOD

- Linear Regression, Image Analysis
- Thesis project “Regulation of Epithelial Migration by Cell Adhesions: Roles of Vinculin”
- Modeling the migratory behavior of cell based on cell tracking data analysis to understand the collective migration of cells in physiological and pathological (metastasis) conditions
- Creation of ad hoc image analysis scripts and data analysis strategies

### MASTER STUDENT - UNIVERSITÉ PARIS DIDEROT-PARIS 7 (FRANCE) (2017)

NICOLAS BORGHINI TEAM “MECHANOTRANSDUCTION: FROM CELL SURFACE TO NUCLEUS” AT INSTITUT JACQUES MONOD

- 6-month internship requiring the testing and characterization of a novel molecular fluorescent tension sensor
- Development and implementation of image analysis pipelines

## SKILLS

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**GENERAL SKILLS** Proactive towards problem solving ▪ Comfortable with public communication and presentations ▪ Adaptable and autonomous but looking for more teamwork ▪ Assertive

**PROFESSIONAL SKILLS** Programming (Python, SQL, Spark, ImageJ Macro Language) ▪ ETL (AWS) ▪ Data visualization & EDA (Matplotlib, Plotly, Seaborn, Streamlit) ▪ Machine Learning and Deep Learning algorithms (Scikit-Learn, TensorFlow, Keras) ▪ Deployment (Docker, Streamlit) ▪ Scraping (Scrapy, BeautifulSoup)

**LANGUAGES** English (Fluent), French (Fluent), Italian (Native), Finnish (Fluent)

## EDUCATION

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### “DATA SCIENCE DESIGNER - DEVELOPER” CERTIFICATE (2022)

JEDHA BOOTCAMP (PARIS, FRANCE)

### PHD IN PHYSIOLOGY AND PHYSIOPATHOLOGY (2017 - 2021)

DOCTORAL SCHOOL BIOSPC - UNIVERSITÉ DE PARIS CITÉ (PARIS, FRANCE)

### MASTER IN MOLECULAR GENETICS & MOLECULAR BIOLOGY (2017)

MAGISTÈRE EUROPÉEN DE GÉNÉTIQUE - UNIVERSITÉ PARIS DIDEROT (PARIS, FRANCE)

UNIVERSITY OF PADUA (PADUA, ITALY)

*International Double Degree Partnership*

### BACHELOR IN MOLECULAR BIOLOGY (2015)

UNIVERSITY OF PADUA (PADUA, ITALY)

## CERTIFICATES

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- “SCIENTIFIC COMPUTING WITH PYTHON”  
2021 – freeCodeCamp
- “DATA ANALYSIS WITH PYTHON”  
2021 – freeCodeCamp
- “SQL (BASIC)”  
2022 - HackerRank