HELENA CANEVER, PhD
Data Scientist with research experience in life science and data science

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in helenacanever
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PROFESSIONAL EXPERIENCE

R&D DATA SCIENTIST– TALAN IN PARIS, FRANCE (September *2002 – present*)
- Investigate and evaluate the latest developments in the field of **synthetic data**
- As a member of the Tech Advice branch of Talan Labs, I work closely with product development teams and business experts to leverage technology to serve business

DATA SCIENTIST – JEDHA IN PARIS, FRANCE (March – June *2022*)
TEAM PROJECT DEVELOPER - "DEEPFAKE 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 BORGHI 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 BORGHI 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
- Develepment and implementation of image anaysis pipelines

SKILLS

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, Beautiful Soup)

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

EDUCATION

"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

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