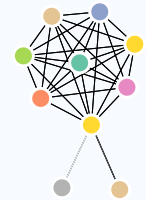



# BENEDICT MONTEIRO

I am passionate about the bioinformatic study of genomic data, and how this can be used to improve the understanding of biology and the treatment of human disease.




## EDUCATION

2021  
|  
2020


- **MSc Genomic Medicine**  
St George's, University of London  London, UK
  - Will study modules covering the collection, analysis and applications of genomic data in medical contexts
  - Awarded academic scholarship.

2020  
|  
2016


- **BSc Biochemistry with French for Science**  
Imperial College London  London, UK
  - Predicted 1st. 69% average from years 1 and 2.
  - Advanced final year modules in Bioinformatics, Mechanisms of Gene Expression and Damage & Repair in Biological Systems
  - Research project dissertation: "Environmental stress provokes a transcriptomic call to arms in *Legionella pneumophila*"
  - Cultural Dissertation in French on an aspect of the history of Paris, 10,000 words (74%)

## RESEARCH EXPERIENCE

2020  
|  
2020

- **Undergraduate Researcher**  
Costa Lab  Imperial College London
  - Analysed RNA-Seq differential expression data to outline the response of the bacteria *L. pneumophila* to sources of environmental stress
  - Discovered that the

2019  
|  
2018

- **Erasmus Research Placement**  
Zucman-Rossi Lab  Université de Paris, France
  - Worked independently on a bioinformatical analysis of mutational signatures in liver cancer WGS and WES data.
  - Identified new *in vivo* variants of cisplatin exposure-related mutational signatures, as well as new liver structural variant signatures.
  - Collaborated with bioinformaticians, biologists and clinicians on a large project studying the genomics of liver tumours, with a focus on cisplatin-induced damage in paediatric tumours.
  - Performed all analyses and designed the results figure for an upcoming publication on the genomic study of a rare type of liver cancer.
  - Updated the R package Palimpsest<sup>7</sup> to include functions for the NMF extraction, plotting and further study of DBS and Indel mutational signatures.

View this CV online with links at [nickstrayer.me/datadrivencv/](https://nickstrayer.me/datadrivencv/)

## CONTACT

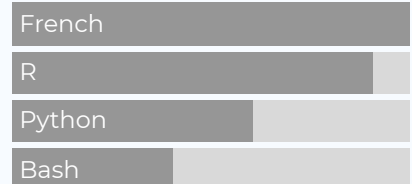


[benedictmonteiro1@gmail.com](mailto:benedictmonteiro1@gmail.com)

 [github.com/benedict909](https://github.com/benedict909)

 [linkedin.com/in/bjmonteiro](https://linkedin.com/in/bjmonteiro)

## LANGUAGE SKILLS



Made with the R package [pagedown](#).

The source code is available on [github.com/nstrayer/cv](https://github.com/nstrayer/cv).

Last updated on 2020-06-12.



## INDUSTRY EXPERIENCE

2016  
|  
2016



### Data Journalist - Graphics Department

New York Times

📍 New York, New York

- Reporter with the graphics desk covering topics in science, politics, and sport.
- Work primarily done in R, Javascript, and Adobe Illustrator.

NA



## TEACHING EXPERIENCE



N/A



## SELECTED DATA SCIENCE WRITING



N/A

NA



## SELECTED PRESS (ABOUT)



N/A

NA



## SELECTED PRESS (BY)



N/A



## SELECTED PUBLICATIONS, POSTERS, AND TALKS



N/A



## LINKS

1: <https://github.com/FunGeST/Palimpsest>

2: NA

3: NA

4: NA