

Bruno Miguel Pereira Vieira

Software - Bioinformatics - Genomics

 Website  Mail  github.com/bmpvieira  medium.com/@bmpvieira

Technical Skills

- **Data Science / Machine Learning**
 - **Python** (Numpy, Pandas, Rapids, PyTorch, Datashader, Dask, Jupyter,...)
 - **R** (tidyverse, ggplot2,...)
- **Bioinformatics**
 - **Founder** of **Bionode.io** community (Node.js Streams for Genomic Big Data)
 - Advanced **Shell** Scripting (BASH, Fish, ZSH,...)
 - Analysis **Pipelines** Workflows (Nextflow, SnakeMake,...)
- **Full Stack**
 - **Node.js**, TypeScript, Ember, Angular, Express, MongoDB, **SQL**, HTML5, CSS3
- **DevOps**
 - **Docker**, Singularity
 - AWS, Azure, Google Cloud
 - **NixOS**, Arch Linux, Ubuntu
 - Git, GitHub, GitLab
 - Unit Testing, Continuous Integration
- **Exposure and interests**
 - Rust, Swift

Communication & Teaching (speaker)

- **2016-2017 | Awarded Mozilla Science Lab fellowship** (one of four, out of 483 submissions) to [travel around the world](#) and champion Open Science through talks, workshops, and hackathons.
- **2016-2018 | Mentored 3 Google Summer of Code students** for the [Open Bioinformatics Foundation](#) to build genomic [data analysis workflows](#).
- **2014-2018 | Bioinformatics and R instructor** at [QMUL](#) during PhD.
- **2012 | Instructor and Content Developer for Python 101 Course** at U. of Lisbon
- **Speaker at multiple international** conferences, meetups and hackathons for Bioinformatics, Open Science, Reproducibility, and Node.js.

Education & Work Experience

- **Since Oct 2021 | Senior Backend Developer @ [Lifebit.ai](#)**
- **2019-2021 | Chief Technology Officer @ [Resurgo.com](#)**
- **2018 | Senior Bioinformatics Developer @ [Repositive.io](#)**
- **2014-2018 | PhD in Bioinformatics @ [Queen Mary, U. of London](#)**
- **2012-2013 | FullStack Dev @ [ESEB2013.com](#)**
- **2009-2013 | Bioinformatician @ [CoBiG²](#)**
- **2004-2009 | Master's in Human Biology and Environment @ U. of Lisbon**
- **Other companies:** [Stencila](#) (reproducible notebooks), [Code for Science and Society](#) ([Dat project](#) — distributed data protocol) and [Geekli.st](#) (backend dev).

Full CV @ <https://www.linkedin.com/in/bmpvieira/>