

# VALERIA PORTES, M.Sc.

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## Skills

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- Python, SQL, Power BI
- Data analysis and Data Administration
- Adaptability and Team collaboration
- Attention to detail

## Work History

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### Data Management Analyst

11/2021 to Present

**J.D.Power/Autodata Solutions** – London, ON

- Daily duties include classification, coding, cross-referencing and managing a portfolio containing data records from 65 vehicles and a variety of OEMs according to established records management procedures. Peer reviews the accuracy of information entered in the company Auto-Database performed on a weekly-basis.
- Works with stakeholders and internal teams with the research and analysis of legacy data ensuring the accuracy and integrity of records are implemented in existing systems.
- Co-leads company data records for Mitsubishi, Jaguar and Land Rover OEMs, which includes the collaboration with external teams, JIRA issue tracking, strong sense of ownership and time management.

### Graduate Researcher

09/2017 to 03/2020

**Western University** – London, ON

- Collaborated with the improvement of open-source software for retrieval of maximal exact matches between two genomic sequences.
- Increase speed results by 100% for less similar input sequences and by over 1000% for highly similar input sequences.

### Graduate Teaching Assistant

09/2017 to 03/2020

**Western University** – London, ON

- Supported weekly lab activities, including supervising, tutoring, grading homework and reviewing assignments.
- Topics included: Photoshop, HTML, CSS, video and sound editing.

### Summer Intern

05/2015 to 08/2015

**Center For Health Informatics and Bioinformatics** – New York, New York

- Studied proteomic data analysis using R and Python.

- Analyzed Python and bash scripts for protein identification, and studies on mass spectrometry tolerance comparison.

## **Undergraduate Researcher**

02/2013 to 07/2014

### **Cancer Proteomics Lab, University of Sao Paulo – Ribeirao Preto, Sao Paulo**

- Implemented a server for high throughput proteomic data processing.
- Developed statistical scripts for analysis of large-scale proteomics data using R to find biomarkers candidates for four types of epithelial-mesenchymal transition (EMT) sarcomas.
- Gathered, arranged and corrected research data to create representative graphs and charts highlighting results for presentations.
- Financed by "National Council for Scientific and Technological Development".

## **Education**

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### **Google Data Analytics Certificate, Coursera**

10/2022

### **Master of Science: Computer Science, Bioinformatics**

03/2020

#### **Western University - London, ON**

- Thesis: "Efficient computation of maximal exact matches between genomic sequences".
- Coursework in data science, unstructured data and computational biology.
- Recipient of Western Graduate Research Scholarship.

### **Bachelor of Science: Biomedical Informatics**

08/2016

#### **University Of Sao Paulo - Ribeirao Preto, SP**

- Dissertation: "Community detection: A study on R evaluation methods in protein-protein interaction networks".
- Received Fulbright - Science Without Borders Scholarship (Arizona State University, Computer Science coursework).