

Behnam JabbariZadeh

London, Ontario , 226-577-3101 , bjabbar@uwo.ca , linkedin.com/in/behnam-jabbarizadeh

SUMMARY Bioinformatics researcher with experience in analyzing Next-Generation sequencing data (single cell RNA seq) and a strong background in computer science. Developed a novel method for batch effect analysis that outperformed other methods. Skilled in R and Python programming, Linux HPC environments, and cloud computing platforms. Seeking opportunities to apply technical skills and contribute to innovative projects.

EXPERIENCE *Bioinformatics researcher* September 2021 - Present
London Health Sciences Centre Victoria Hospital, London, Ontario.

- Developed a **novel** method for batch effect analysis in **single cell RNA seq data** that outperforms other methods, improving data quality and reducing batch effects in downstream analyses.
- Integrated multiple research projects from different databases, facilitating cross-project analyses and enabling new discoveries.
- Utilized Compute Canada resources to run analyses on a **Linux HPC environment**, writing scripts in **R** and Linux.

Teaching assistant September 2021 - May 2022
Western University, London, Ontario

- Mentored over 100 students for two university terms, delivering lectures and providing guidance on **Python** programming language.
- Assisted students with **debugging** code and implementing their ideas for class projects.

SKILLS

- Programming Languages: Python, R, C++
- Software Tools: JIRA, Git, Docker
- Operating Systems: Linux, macOS, Windows
- Experience with HPC environments and cloud computing platforms

EDUCATION *MSc, Computer Science, Bioinformatics* September 2021 - March 2023
Western University, London, Canada
Relevant Coursework: Bioinformatics, Computational Biology, Algorithms and Data Structures

BSc, Electrical engineering September 2015 - October 2020
Amirkabir University, Tehran, Iran

CERTIFICATES Introduction to genomic technologies, Coursera, John Hopkins University

VOLUNTEER EXPERIENCE *Assistant manager* August 2019 - September 2021
Innovation Center of Amirkabir university of technology, Tehran, Iran

- Mentored students through the creation and growth of their projects.
- Utilized the project management software **JIRA** to efficiently organize and oversee team operations
- Organized more than 10 educational workshops and helped over 20 student teams gain acceptance into our program.