Mirza Ahmadi

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EDUCATION

University of Guelph   Jan 2024 - Present
Master of Science – Bioinformatics and Artificial Intelligence   *Guelph, ON*
- Developing a machine learning pipeline to extract and present genomic sequence data
- Relevant Skills: Machine Learning, Python, Bioinformatics, Genomics, Unix

Honours Bachelor of Science – Major in Zoology, Minor in French Studies (GPA: 3.7)   Sep 2019 – Oct 2023
- Completed a one-semester exchange program at Aberystwyth University, Wales

EXPERIENCE

Researcher   May 2022 - Present
University of Guelph   *Guelph, ON*
- Designed and executed an independent research report on snake venom evolution, producing a 30+ page report
- Conducted literature review & analyzed data from multiple phylogenies to investigate venom evolution mechanisms
- Collaborated with experts in bioinformatics, biochemistry, and genomic biology, enhancing scope of research
- Acquired skills in R, MS Excel, and Mesquite to create correlational and graphical analyses, and phylogenies
- Currently working towards publication in a peer-reviewed scientific journal

Globalink Mentor   April 2022 – Nov 2022
University of Guelph   *Guelph, ON*
- Developed info packages on government regulations and Canadian banking for seven international research interns
- Led coordination of social events to foster intern networking and community-building
- Provided ongoing logistical support, addressing individual needs, and resolving issues promptly

Data Entry Clerk   May 2021 – Jan 2022
MSH International   *Toronto, ON*
- Performed quantitative analysis using MS Office to generate client reports
- Managed administrative duties including communicating with clients and providers via email

PROGRAMMING PROJECTS

SciRef | *Python , Tailwind CSS, React, Flask*   August 2023
- Created a website which generates customized scientific references for PubMed journal articles
- Enables users to input URLs and order reference components to obtain accurately formatted references

Colour Chaos! | *Python*   July 2023
- Developed GUI-based interactive game, challenging player typing speed and selective attention
- Enhanced user engagement by creating features like high score tracking, game restart, and real-time timekeeping

Personal Website| *HTML, CSS*   June 2023
- Designed and developed a personal website to showcase skillset, experience, and programming projects

CERTIFICATIONS

E-learning Course: Data Structures	Oct 2023	
LinkedIn Learning certificate: Python Essential Training	June 2023	
Harvard CS50 Introduction to Programming with Python	Jan 2023	
DELF (Diploma in French Language Studies) B2	Feb 2019	

TECHNICAL SKILLS

Python (Advanced)
R (Advanced)
MS Office (Advanced)
HTML (Intermediate)
CSS (Intermediate)