

Mirza Ahmadi

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EDUCATION

University of Guelph

Jan 2024 - Present

Master of Science – Bioinformatics and Artificial Intelligence

Guelph, ON

- My research involves developing a machine learning pipeline to extract and present genomic sequence data

Honours Bachelor of Science – Major in Zoology, Minor in French Studies

Sep 2019 – Oct 2023

- GPA: 3.7
- 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

Guelph, ON

- Conducted data analysis and uploaded information from scanned records into the company's database
- Generated and Organized reports using MS Excel
- Managed administrative duties including communicating with clients and providers via email

PROGRAMMING PROJECTS

[SciRef](#) | *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)

HTML (Intermediate)

CSS (Intermediate)

Flask (Intermediate)

React (Intermediate)