**Objective**

Recent graduate with one year of experience working with Python for data pipeline, analysis and visualization.

Seeking a challenging role to improve my coding abilities and learning new methods of utilizing data to tackle complex problems. I am reliable, flexible, adaptable, organized and detail oriented. I work well independently and in a team with strong interpersonal and communication skills.

**Education**

University of Toronto September 2017 – April 2023

Bachelor of Science (Honours) Physics & Astrophysics

* Minor in Psychology

Bayview Secondary School September 2013 – June 2017

High School Diploma (Honours)

**Professional Experience**

GettaTutor – *Tutor* October 2021 – April 2022

* Instructing and preparing tutor material for students
* Tutoring high school students on math and chemistry, assist students with problem solving

Canadian Institute for Theoretical Astrophysics – *Researcher* September 2020 – December 2020

* Completed independent thesis project co-supervised by Professor Ue-Li Pen and Dr. Luke Pratley testing reconstruction algorithms on real and simulated dispersion measure time series data and cross-correlating results in Jupyter
* Creating research objectives, literature review, proposals, reports, and presentations on results and providing updates to supervisors and research team
* Demonstrating interpersonal skills and developing a good rapport with supervisors

Dunlap Institute for Astronomy & Astrophysics – *Summer Research Intern* May 2020 – August 2020

* Conducted summer undergraduate research project (SURP) supervised by Dr. Luke Pratley testing new reconstruction algorithms on recovering rotation measure data from complex magnetized mediums and developing and testing prior assumptions of model using Jupyter
* Analyzing reconstructed outcomes with various initial conditions and comparing to predicted model
* Developing interpersonal skills with supervisor, building oral and writing skills through reports and presentations

Markham Taekwondo Academy – *Assistant Instructor* September 2013 – September 2016

* Delivering engaging and effective lessons to adults and children
* Developing skills, discipline, and self-confidence amongst students
* One-on-one student interaction during and after class

**Skills & Abilities**

* Proficiency in Python – data pipeline, data analysis, data visualization (NumPy, SciPy, Matplotlib, SymPy, Pandas, Astropy, Jupyter)
* Basic SQL, R and C programming
* Bilingual – English, Chinese (Cantonese)
* Proficiency in Microsoft Office (Excel, Word, PowerPoint)
* Excellent oral and writing skills of effectively communicating data information, quick-learner, adaptable, flexible, reliable, organized, and detail-oriented
* Works well independently and with a team in fast-paced environments

**References available upon request**

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