CONTACT INFORMATION

Mail alan@alanjyu.com WWW alanjyu.com

LinkedIn linkedin.com/in/ajyu

SUMMARY

- Advanced proficiency in data analysis and scientific writing using MATLAB, PYTHON, MEX, and Office Suite programs for both academic and professional purposes developed through research and laboratory sessions.
- Proficient in analyzing experimental data and presenting in scholarly articles as proven through formal laboratory reports.
- Robust field analysis skills and savvy safety cautions obtained from in situ geology researches.
- Environmental enthusiast with solid knowledge in subjects of biological, chemical, physical and environmental science.
- Solid communication, organization, and time management skills developed through academics and by working as in administrating and customer service fields.

EDUCATION

Candidate, Honours Bachelor of Arts/Science (B.Sc)

Since 2018

University of Toronto at Scarborough

Second-year specialist (Co-operative stream) in Environmental Physics.

RELEVANT COURSES

Life on Earth: Unifying Principles

Fall 2018

- Adequate knowledge of population, genetics and molecular biology, selection and evolution, diversity, cladistics and speciation;
- experimental interpretation with findings in the correlation between experimental and control groups by analyzing critical t-values and data presentation through scientific tables and figure presentation in formal lab reports.

Intermediate Physics Laboratory I

Fall 2019

- Extensive experimental and theoretical study of circuits with applications to measurements using laboratory instrumentation; and
- data analysis and graphical illustration of the behaviour of physical systems in scientific writings.

Earth History

Fall 2019

- Accurately classified soil, rocks, fossil and minerals and identified its geological processes and environments;
- competent knowledge of Earth's development of the atmosphere, oceans, biology, climate and geochemical cycles; and
- conducted *in situ* geomorphology, and glacial movements research and *paleo*-fossils identification to determine the marine paleo-environment near Hamilton.

Principles of Hydrology

Fall 2019

- Thoroughly analyzed annual precipitation data with written reports, spreadsheet and graphical representa-
- estimated precipitation by Thiessen polygon, and through isohyetal and hyetograph graphs and predicted monthly evapotranspiration using Thornthwaite's method; and
- knowledge of measurements of water fluxes, forecasting of rainfall and streamflow events and further influences due to human activity.

EXPERIENCES

Event Assistant, Volunteer

2014-2018

Juniper Housing Corporation, Saskatoon SK

- Assisted with setting up outdoor camping equipment and organizing community events; and
- prepared and served food and drinks, acknowledged for customer satisfaction.

Cashier, Part-Time

2017-2018

Dennis' Your Independent Grocery, Saskatoon SK

• Interpersonal communication and conflict resolution with zero complaints.

Network Systems Administrator, Part-time

Since 2018

Way-Way International Inc., Saskatoon SK

- Safely configured, maintenance, optimization and troubleshooting of the company's network infrastructure in both front-end and back-end:
- data management for item storage, delivery, and display; and
- online and in-person customer service regarding inquiries.

Exam Invigilator, Volunteer

Spring 2019

Mathematical Kangaroo

- Guided students in Grade Three and Grade Six to their designated areas;
- comforted students' stress and boredom during the exam; and
- ensured the exam carried out successfully with no academic offenses.

AWARDS & CERTIFICATIONS

Entrance Scholarship

Fall 2018

University of Toronto at Scarborough

Amount of \$1500 awarded due to excellent academic performance.

Class 5 Driver's License

Since 2017

Saskatchewan Driver's Licensing and Vehicle Registration

Equivalent to Class G Driver's License in Ontario.