

Wisang Sugiarta

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SUMMARY OF SKILLS AND QUALIFICATIONS

Operating Systems | Windows 10 • Linux

Applications | Microsoft Office • Bash • CLion • Eclipse • IntelliJ

Programming | C++ • C • Java • Python • Matlab • OCaml • R

Other | • Anaconda • Earth 3D Modelling •

Languages | French | Spoken & Written • English | Spoken & Written |

Licenses & Certifications | National Lifeguard Instructor, Wilderness First Responder

EDUCATION

Bachelor of Science – Honors Double Major in Computer Science and Physics

2018- 2021 (Expected)

McGill University, Montreal, QC

- Focus: software design, modelling and artificial intelligence.
- Minor in Physics completed.
- Relevant Courses: Software Systems, Data Structures and Algorithm Design, Discrete Structures, Programming and Paradigms, Numerical Computing, Software Design, Software Architecture, Applied Machine Learning, Electromagnetic Waves, Statistical Mechanics, and Quantum Mechanics.
- (Used to be in the Faculty of Engineering until switching majors.)

DEC in Pure and Applied Sciences

2017

Dawson College

- Dean's List every semester.
- Graduated with Honours

ACADEMIC PROJECTS

Radioactive Decay and Counting Statistics published in the McGill Physical Journal

2020

McGill University, Montreal, QC

- Objective: study the statistics and behavior of a decaying radioactive isotope decay using a Geiger counter to detect energetic particles emitted from the nucleus of a radioactive ^{137}Cs sample.

WORK EXPERIENCE

Undergraduate Medical Physics Researcher

February 1st, 2020– present

Cedars Cancer Centre, McGill University Health Center, Montreal

- Implementing artificial intelligence methods to create software that suggests individualized and specific treatments in cancer patients requiring radiotherapy.
- Using the Monte Carlo method to simulate the best treatment for micro-radiology.
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National Lifesaving Instructor (Pool) and Lifeguard

September 2017– present

Westmount Public Pool and YMYWHA Pool, Montreal

- Implementing and instructing lifesaving candidates on the procedures and regulations of the Canadian National lifesaving program. (First aid, professionalism, administration.)
- Ensure the safety of all clients attending the facility
- Planning, evaluating and submitting evaluations, papers and examinations directly to Lifesaving Society

Bike Mechanic and Sales**May 2016– Present**

Cycle Neron (2016-2018) and MCW Bikes (Present), Montreal

- Customer service and sales.
- Repair quick and longer bike problems.
- Build bikes from manufacturers (Specialized, Cannondale, Rocky Mountain).

Outdoor Adventure Guide**May 2018– September 2018**

Camp Taiwan (Republic of China)

- Instructed rock climbing, surfing and kayaking.
- Ensured a safe and enjoyable experience to clients.
- Charged of advising/facilitating campers on a science related project each week.

PROFESSIONAL ASSOCIATIONS

Contributor**Sept 2018– present**

The McGill Tribune (Science Section)

- Bi-Monthly contributor writing opinion articles and/or public-friendly science articles.

VOLUNTEER WORK

CEGEP Math Tutor**September 2017-present**

Dawson College

- Hold 3 hour office hour to tutor CEGEP math courses (Calculus I, II and Linear Algebra).

Assistant Coach**September 2018-present**

NDG Minor Hockey, Midget A

- Help run practices and games for younger NDG teams.

INTERESTS

Experience Abroad

Spent months in Taiwan, Indonesia, USA and western Canada

Sports

Current Junior A Hockey team, Rock Climbing

Passions

Adventure, Politics, Philosophy and Law