TRONG D. NGUYEN

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HIGHLIGHTS OF QUALIFICATIONS

- Leadership acumen and a passion to apply it in a dynamic business environment
- Excellent interpersonal and highly developed communication skills (verbal and written) for effectively fostering opened and positive working environment
- Creative and analytical thinker who is self-driven and capable of working in a fast-paced environment
- Superior MS Office skills Word, Outlook, Excel, and PowerPoint
- Experience of programming languages, databases, platforms, frameworks and understanding of design techniques and tools, code management tooling, and web technologies
- Working collaboratively with others to achieve common goals and develop creative solutions

EDUCATION

Bachelor of Engineering in Software Engineering, Co-op Option

Sept 2019 – ongoing

Carleton University, Ottawa, ON

- Third year standing, CGPA: 11.20/12.00, corresponding letter grade: A
- Expected graduation date: Apr 2024

Master of Science in Biology

Sept 2015 – Aug 2017

Carleton University, Ottawa, ON

Bachelor of Science in Biochemistry, Minor in Mathematics

Sept 2011 – Apr 2015

Carleton University, Ottawa, ON

WORK EXPERIENCE

Transportation Worker

July 2018 – ongoing

The Ottawa Hospital, Ottawa, ON

- Interacted with digital Health Information System to prioritize the implementation and optimization of workflow of clinical operations for consistent patient care
- Delivering service excellence to internal and external patients, ensuring the use of information and services that are barrier-free and accessible for persons with disabilities

First Aid Instructor

Aug 2018 – ongoing

St. John Ambulance, Ottawa, ON

- Facilitate CPR/First Aid/AED training courses, test individual skills, and certify students who successfully demonstrate adequate knowledge and performance of skills
- Developed and updated customized curriculum, reference guides, and materials, including project-specific training and PowerPoint presentations

APPLIED PROJECTS

ImageFilters – Programming Group Leader

Jan 2020 – Apr 2020

- Created a Python application for RGB image manipulation using filters for the user to input images and generate filtered image on both Window and macOS
- Collaborated with group members to edit main code using testing scripts for unbiased code development leading to minimize bugs and increase scrutiny of the final code script
- Designed and implemented an interactive user-interface and a batch user-interface for the image filter application for a more user-friendly layout and application
- Hosted milestone group meetings to allocated tasks and set deadlines for deliverables leading to positive feedback from team members and success in the project

Pi Mechatronics Project – Group Programmer

Jan 2020 – ongoing

- Accessed Raspberry Pi using headless setup via secure shell network to communicate with device and enter commands garner familiarity working with computers without peripherals
- Manipulated system controls using Raspberry Pi OS (Raspbian) running on Linux command line terminal to access Wi-Fi and Bluetooth settings to better understand wireless network systems
- Coded Python scripts to activate General Pin Input/Output to manipulate buzzers, DC motors, LEDs, LCD screens, and stepper motors functionality

VOLUNTEER ACTIVITIES

St. John Ambulance – Medical First Responder / Council Officer

Feb 2016 – ongoing

- Improved health, safety, and quality of life as a first responder, not limited to first-aid, CPR, and other lifesaving skills during emergency situations to increase patient viability
- Corroborated with paramedicine units during community events to improve transport time and provide a higher standard of immediate healthcare on-site

Canadian Red Cross – Personal Disaster Assistance Responder

Apr 2018 – ongoing

- Performed needs assessment to determine immediate needs of beneficiaries that have lost belongings or have suffered from damages to their homes to provide shelter and food
- Provided referrals beneficiaries to partnered agencies and other community-based groups for services related to mental health, food services, housing, and other relief organizations in the city
- Conducted emergency preparedness activities for disaster responding and managing resources during emergency scenarios to train personnel for disaster and humanitarian relief

EXTRACURRICULAR ACTIVITIES

Graduate Softball Association Team – Captain

Sept 2015 – Aug 2017

- Planned team practices session to improve overall cohesiveness of team dynamics which lead to entering the final game tournament
- Judiciously comprehended rules and apply to practice via teamwork and commitment to decrease gameplay fouls and abiding by the game rules

Carleton Chemistry & Biochemistry Society – President

Sept 2013 – Aug 2015

- Promoted and organized events to gather students interested in science programs to showcase careers and promote networking opportunities
- Managed finances and accounting of the organization using math and business skills to maintain a balance between expenditures and fundraising initiative
- Organized meetings using the delegation of tasks to recruit and prepared department social events