Trong Nguyen

Ottawa, ON

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EDUCATION

Carleton University	**09/2019 – ongoing**
*Bachelor of Engineering in Software Engineering, Co-op Option - **CGPA: 11.2/12.0***	*Ottawa, ON*

Carleton University	**09/2015 – 08/2017**
Master of Science in Biology	*Ottawa, ON*

Carleton University	**09/2011 – 04/2015**
Bachelor of Science in Biochemistry, Minor in Mathematics	*Ottawa, ON*

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Operating Systems
- Embedded Systems
- Database Management System (DBMS)
- Automated Testing
- Object Orientated Programming
- Web Development
- Business Analytic

PROJECTS

eth-todoList ↗ | *Truffle, Node.js, Web3.js, Solidity* — 01/2022
- A todo list powered by Etheruem **smart contracts** to understand how **blockchain** works
- Learned about application on **decentralized** platform and content is stored on a distributed blockchain nodes

Monopoly17 ↗ | *Java, Unit4, JSON, Maven* — 12/2021
- Reproduction of simplified version of the classic board game using **Java Swing** and **MVC design pattern**
- Develop save/load features using **Java serialization** and populate with international versions using **JSON**

Art-Store ↗ | *PHP, Memcache, State Management, SQL* — 12/2021
- Online art store that allows users to search, browse, and select paintings filters by artist, museums, and shapes
- Employed web service stack using **Apache**, **myPHPadmin/MariaDB**, and **PHP**

ATM-ConCurrencies ↗ | *C language, Shared Memory, Semaphore, Bash* — 04/2021
- Simple program mimics an ATM system using **concurrent processes** and **inter-process communication**
- Explored **concurrent programming**, **semaphores**, and **messaging queues** via Linux command line

WORK EXPERIENCE

Agriculture and Agri-Food Canada ↗	**01/2022 – 04/2022**
Test Analyst	*Ottawa, ON*

- IT for Information Systems branch

Jumping Elephants ↗	**05/2021 – 08/2021**
Technical Business Analyst and Developer	*Ottawa, ON*

- Developed **HTML parser** for research and client outreach and performed web-based **user testing**
- Used development tools and platforms such as Microsoft Dynamics 365 and Microsoft Azure to manage the **DevOps software lifecycle**

The Ottawa Hospital ↗	**07/2018 – ongoing**
Transportation Worker	*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

St. John Ambulance ↗	**05/2018 – ongoing**
First Aid Instructor	*Ottawa, ON*

- Facilitate CPR/First Aid/AED training courses, assessed 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

TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, SQL, HTML, CSS, PHP, XML, Solidity
Developer Tools: VS Code, IntelliJ Idea Education
Technologies/Frameworks: Linux, GitHub, NodeJS, Git

VOLUNTEER ACTIVITIES

St. John Ambulance ↗   02/2016 – ongoing
Medical First Responder / Council Duty Officer   *Ottawa, ON*

- Improved health, safety, and quality of life as a first responder, not limited to first-aid, CPR, and other lifesaving skills during emergency situations and training to increase patient viability
- Managed calendar for entirety of Ottawa-based community events and scheduled members be deployed

Canadian Red Cross ↗   04/2018 – ongoing
Personal Disaster Assistance Responder   *Ottawa, ON*

- 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

CERTIFICATIONS / AWARDS

- LivingWorks Start
- Adrian D.C. Chan Award ↗
- McGill Personal Finance Essentials
- Mental Health First Aid