LongQuan Nguyen

+1 (587) 893-2808

longquan.nguyen@usask.ca

https://www.linkedin.com/in/longquannguyen/

EDUCATION

UNIVERSITY OF SASKATCHEWAN (USASK)   Saskatoon, SK
Bachelor of Science, Major in Computer Science, Minor in Mathematics   May 2024
Average 87

ST. GABRIEL THE ARCHANGEL HIGHSCHOOL   Chestermere, AB
High School Diploma   Jun 2020
Average 84
- Most Improved Student award
- Rising Star award

EXPERIENCE

DEPT. OF COMPUTER SCIENCE, CEPHIL   Saskatoon, SK
Undergraduate Research Assistant   Aug 2023 - now
Developed simulation models at CEPHIL - Computational Epidemiology and Public Health
Informatics Laboratory at USASK, under the supervision of Professor Nathaniel Osgood.
Utilized Anylogic's software for building and executing Agent-Based, System Dynamic, and
Discrete Event models.
- Formulated problems, demonstrating expertise in problem-solving methodologies.
- Applied advanced mathematical concepts to enhance simulation models' accuracy and
  effectiveness.
- Debugged code in Java, resolving issues and improving the efficiency of simulation
  models.

COMPUTER SCIENCE STUDENT SOCIETY   Saskatoon, SK
Member at Large   Feb 2023 - Dec 2023
Served as Member at Large on the executive team of CSSS - Computer Science Student
Society at USASK. Facilitated study and Q&A sessions, addressing challenging computer
science topics. Contributed to the planning and coordination of CSSS events.
- Collaborated effectively within the team, fostering a spirit of teamwork.
- Organized and supported various events, showcasing strong event management skills.
- Communicated effectively with the public, ensuring clear and engaging interactions.

TUTOROCEAN   Saskatoon, SK
Suject tutor   Mar 2023 - Dec 2023
Served as a first-year Maths and Computer Science Tutor within the TutorOcean network.
Assisted students in understanding complex topics such as Integrals, Derivatives, and Data
Structures, including Data Algorithms.
- Applied strong teaching skills to facilitate understanding of challenging concepts.
- Presented ideas in a clear and detailed manner, enhancing students' comprehension.

SKILLS

Technical:	- Python - Java - C - Haskell - TypeScript - MIPS Assembly - JavaScript, CSS & HTML	- PyCharm - IntelliJ IDEA - Visual Studio Code - diagrams.net - Git - Unix / Linux based OS - SQLite
Laboratory:	- LaTex - Anylogic - GNU Octave	- GeoGebra - Desmos
Language:	- English: fluent - Vietnamese: native speaker	

TOPICS OF INTEREST

Software Development:	- Agile Methodology - Scrum - CI & CD - Software Testing	- Database - Back-end Development - Game Development
Computer Science:	- OOP - Data Structure & Algorithms - Computer Architectures	- Cyber Security - Operating System - Time & Space Complexity
Mathematics:	- Calculus - Linear Algebra - Abstract Algebra - Category Theory - Set Theory - Graph Theory	- ODEs - OPEs - Propositional & Predicate Logic - Euclidean Geometry - Optimization

VOLUNTEER

AES Note Taker, USASK Saskatoon, SK
Generated lecture notes for students with diverse needs and utilized Access and Equity Sep 2022 - May 2023
Services' accommodations. Supported four classes over two semesters with necessary notes.

Blood Donor, Canadian Blood Service Saskatoon, SK
Initiated my first donation on January 4th and intend to continue contributing in the future. Jan 2024 - now