

# TAI LUAN NGUYEN

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## SKILLS

### PROGRAMMING LANGUAGES

- C/C++
- R
- Python
- Java

### TECHNOLOGIES

- GitHub
- HTML/CSS
- Linux
- MySQL

### TOOLS

- Visual Studio Code
- Emacs
- Microsoft Teams
- Command line interface

## ACADEMIC/PERSONAL PROJECTS

### WEB SCRAPPING – R for Data Science / STAT260

March 2023

- Implemented a web scraping script using R to extracted 6000 data entries with various attributes from Trustpilot reviews of Apple.com.
- Analyzed collected data, identified patterns and trends in negative reviews correlate with specific aspects of Apple, particularly high repair fee.
- Discovered several obstacles that can happen during scraping, including rate limitations, inconsistent data, UI interaction .

### SPACE MONKEY – Intro to Software Engineering / CMPT276

December 2022

- Developed a shooting game from the ground up using Java and applied an iterative Scrum process.
- Employed design patterns including builder pattern, abstract factory pattern, and singleton pattern.
- Designed and implemented a user interface with various game states and levels using Java AWT/Swing Designer Tools.

### HAPPY DENTAL DATABASE SYSTEM – Database System / CPSC2221

March 2022

- Implemented a complete database model for business with different attributes such as clients, staffs, products/services, payment methods.
- Designed Enhanced Entity Relationship Model and Database Relational Schema including table definition, constraints, and normalization.
- Extended project by personally developing a website using HTML/CSS and PHP. The website allows users to input and modify data in database.

### INNOCENT CHESS ENGINE – Personal Project

February 2023

- Developed a chess engine from ground up using Java, featuring an engine capable of detecting and preventing wrongful move by users.
- Implemented design pattern, including builder, abstract factory, and singleton.
- Designed graphical user interface (GUI) using the Swing and AWT frameworks.

## EXTRACURRICULAR

### CUSTOMER EXPERIENCE ASSOCIATE – TD Canada Trust, Vancouver BC

July 2022 – January 2023

- Cultivated problem-solving skills through by active listening and applying a deep understanding of banking processes in various scenarios.
- Gained experienced in an office work environment, honing collaboration skill with the usage of technologies like MS Team, Slack, Zoom.
- Enhanced time management skills by consistently prioritizing tasks and employed time-saving techniques such as setting clear goal and utilizing time blocking.

### LOGISTICS CO-CHAIR – SFU Canadian Cancer Society, Burnaby BC

September 2022 – September 2023

- Enhanced creativity through designing poster and brochure that draw in large audience and boost donations for the organization.
- Improved communication skills by consistently introducing team members to others and persuading people to volunteer for the organization

## EDUCATION

**BACHELOR OF SCIENCE IN COMPUTER SCIENCE, MINOR IN STATISTICS** – Simon Fraser University – GPA 3.5/4.33 May 2022 – May 2025

**ASSOCIATE DEGREE IN COMPUTER SCIENCE** – Langara College – GPA 3.0/4.0

May 2020 – May 2022

## CERTIFICATION

**DATA ANALYTICS SKILLS CAMP** – Simon Fraser University

September 2023

**ALGORITHM TOOLBOX** – University of California San Diego

September 2023

**SUSTAINABLE DEVELOPMENT GOALS TRAINING** – United Nation, Sustainable Development Goals Advocates

January 2022

**2019 YOUTH GOOD NEIGHBOURS AWARD** – Associate of Neighbourhood Houses BC

September 2019