

# Tudor Stoiu

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## SKILLS

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**Languages:** Python, Java, C, C++, HTML, CSS, JavaScript

**Programs:** Visual Studio Code, Vim, Unix command-line, Excel/Google Sheets, MS Office & G Suite Applications

**OS:** Windows, Linux

**General:** Organization, Passion to perform, Clear verbal & written communication, Attention to detail, Motivated, Time management, Adaptability

## TECHNICAL WORK EXPERIENCE

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### Payment Source

Port Moody, BC

Web Developer Intern

Apr 2019

- Modified, tested, and updated web pages from 4 alternative payment service websites: Zenwallet, Topmeup, Paysimply, eCash
- Collaborated with a team of software developers to solve problems and complete tasks
- Fixed mobile app and website bugs with HTML, CSS, and JavaScript
- Organized and analyzed feedback data with Google Sheets

## TECHNICAL PROJECT EXPERIENCE

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### Data Structures

CMPT 225: Introduction to Data Structures and Programming Course Work

May 2021 – Aug 2021

- Implemented abstract data types using data structures including: Stacks, Queues, BSTs, Red-black trees, and Hash tables in C++
- Tested program functionality by creating and executing test cases which helped me achieve a final grade of A+ in the course

### Space Invaders Game

Python Personal Project

Dec 2020

- Developed an arcade style game using Python with the PyGame library

### Image Processor App (YAIP)

CMPT 120: Introduction to Computing Science and Programming Final Project

Nov 2020 – Dec 2020

- Implemented 15+ image manipulation functions with Python to be used in the app

### Machine Learning for Prediction

CMPT 120: Introduction to Computing Science and Programming Final Project

Nov 2020 – Dec 2020

- Implemented a linear regression machine learning model for prediction based on Seoul bike rental usage data

### Physics Calculator

Science Fair Collaborative Project

Apr 2019

- Collaborated with a partner to create a Thermodynamics physics calculator
- Implemented formulae to calculate any unknowns if given enough data using Python

## OTHER EXPERIENCE

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### Microsoft Technical Resilience Mentorship

Mentee

Mar 2021 – Apr 2021

- Mentored by Microsoft Software Engineers and Program Managers in 6-week mentorship program
- Refined important soft and practical skills for life, studies, future career, and learned how to stay resilient in the world of technology

### Terry Fox Secondary

High School Tutor

2018 – 2020

- Tutored students in the following subjects: Computer Programming, Math, Physics, Chemistry
- Online tutoring through online communication services: Discord, Skype, Zoom, etc.

### Dollarama

Coquitlam, BC

Store Associate

Aug 2018 – Mar 2019

- Provided quality customer service and answered merchandising inquiries in a high-volume environment
- Collaborated with colleagues to carry out merchandising & cleanliness practices in a timely manner

## VOLUNTEER EXPERIENCE

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### Simon Fraser University

Burnaby, BC

Frosh Leader

Sept 2021

- Helped manage, set up, and clean up after the Frosh Week 2021 events
- Welcomed new students to the SFU community and gave advice for success in university education

### James Park Elementary

Port Coquitlam, BC

Volunteer

Nov 2019

- Greeted and served food to guests at the winter holiday event

### Haney Presbyterian Church PCC

Maple Ridge, BC

Volunteer

Nov 2019

- Wrapped presents for the church's winter holiday charity event

## EDUCATION

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### Simon Fraser University

Sept 2020 – Present

B.Sc. Computer Science

CGPA: 3.7

### Terry Fox Secondary School

2016 – 2020

## AWARDS & INTERESTS

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**Scholarships:** SFU Open Scholarship, District/Authority Scholarship, BC Achievement Scholarship, School District #43 C.W. McKenzie Scholarship, Coquitlam Teachers Association Student Assistance Scholarship

**Sports:** Volleyball, Tennis, Basketball, Squash, Soccer, and many others at a recreational level

**Hobbies:** Gym training, Learning Vim, Computer Setups, Custom PC Building, Reading