Michelle Nguyen

Year 2, Computer Science Major

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TECHNICAL WORK EXPERIENCE

Undergraduate Teaching Assistant   Jan 2022 - Present

University of British Columbia

- Teaching Assistant for CPSC 210: Software Construction in Java
- Manage and operate four weekly laboratory sections of 30 students each, in which learning and understand of materials is supported

EDUCATION

University of British Columbia   Sept 2020 - Present

Bachelor of Science in Computer Science | Expected Grad: May 2025

- 88% Overall Average, Dean's List Standing
- *Relevant Courses: Program Design; Models of Computation; Software Programming; Algorithms and Data Structures; Introduction to Computer Systems; Data Science; Statistical Inference; Advanced Calculus*

WORK EXPERIENCE

Private Tutor   Jan 2018 - Present

Self-employed & CMC Tutoring

- Design lesson plans and materials for teaching 1-on-1 and group tutoring sessions of Physics, Chemistry, Biology, Mathematics, and Calculus to students in Grades K-12
- Ensures the lasting understanding of materials through encouragement, reinforcement and various other teaching methods

VOLUNTEERING

Programming Language Instructor   Jun 2021 - Jan 2022

The C.O.D.E. Initiative

- Taught beginner and intermediate level python programming classes to students aged 8-15
- Catered learning lesson and materials towards students' interests and learning styles while promoting inclusivity and learning in STEM

Athletic Team Manager   Jun 2017 - Jun 2020

David Thompson Track and Field Team

- Assisted in organizing and managing team practices, meets, and events of team of 50 members.
- Recorded data on team members to compute statistics with Excel in order to track and improve performance.

TECHNICAL PROJECTS

Café Menu Ordering Application   Jul 2021 - Aug 2021

CPSC 210 Project

- The application enables guests to order items off the café menu with the money-loaded café card, and promotes the ability to order ahead of time to combat the mutual hatred of long wait times.
- Used Java and Swing library to construct both a robust console-based application and graphical user interface, and implemented persistence with saving and writing files using JSON library

Classification of Article Styles based on Content and Writing Styles   Feb 2021 - Apr 2021

DSCI 100 Group Project

- An electronic report which discovers if the contents of Mashable's article affects the article's data channel
- Used R to download, tidy, summarize, and visualize data to implement k-nn classification with four models combinations against 3 pairs of predictors to produce results and discussion to the predictive question

LANGUAGES

DrRacket, Python, HTML, CSS, JavaScript, Java, C++, C, R