Samuel Ip

8065 17th Avenue   (778) 928- 0909
Burnaby, BC, Canada V3N 1M5   samuel.ip@alumni.ubc.ca

EDUCATION

Bachelor of Science CGPA 4.00/4.33   Sep 2018 - Present
Computer Science and Statistics combined major, University of British Columbia (UBC), Vancouver, BC
- Relevant Courses: Software Construction and Intro to Data Science

CAREER RELATED PROJECTS

Prediction Analysis of Kidney Disease, Intro to Data Science, UBC, Vancouver, BC   Winter 2019
- Created a formal report of findings using R Programming and Jupyter to visualize results obtained from classification analysis
- Ran a classification algorithm (Knn) on hospital data from India to determine whether new and existing patients had Chronic Kidney disease with 100% prediction accuracy
- For further information on results: https://github.com/Kingpin1111/CKDPredictor

Todo-List Application, Software Construction, UBC, Vancouver, BC   Winter 2019
- Developed Java Application to display projects and tasks with deadlines using the JavaFX library, FXML for the Graphical User Interface (GUI)
- Read and wrote data to a text file while parsing and extracting data in JSON format
- Designed unit tests (JUnit) to ensure full code coverage and proper functionality of the program

RELATED VOLUNTEER AND EXTRA-CURRICULAR ACTIVITIES

Research & Data Analytics Assistant, VSE Career Centre, UBC, Vancouver, BC   Apr 2019 - Present
- Researched, synthesized, and created the initial outline for an Annual Report
- Implementing an Excel course to be fully self-directed
- Improved volume of data collected from students by 400% within the BIE degree program

Online Teaching Assistant, Microsoft TEALS Philanthropies, Vancouver, BC   Jun 2019 - Present
- Expected to support the main teacher with an Intro to Computer Science course virtually; offer subject matter insights and teach various intermediate topics
- Create lecture modules meeting needs of indigenous students of various ages and backgrounds
- Troubleshoot and guide students during lessons to ensure full understanding

Executive Member, UBC Badminton Club   Sep 2018 - Present
- Helped create online forms and spreadsheets to sign/pair members up for club events
- Created, coordinated, planned and advertised events alongside fellow members for club activities

WORK EXPERIENCE

Undergraduate Academic Assistant, Department of Statistics UBC, Vancouver BC   Jun 2019 - Present
- Update and change existing course curriculum for the class Introduction to Data Science (DSCI 100) with course staff
- Create issues within the online textbook using GitHub as version control to document changes
- Developing a centralized package to base all datasets for Data Science courses

Assistant Tutor, Kumon, Burnaby BC   Mar 2018 - Sep 2018
- Taught students aged 6-15 Math and English topics up to Integral calculus
- Promoted self-intuitive learning habits to develop passion amongst students
- Documented and recorded each individual student's test scores while marking homework of 100+ students to accommodate individual student growth

LANGUAGE SKILLS - English (Mother tongue); Cantonese (fluent spoken); Mandarin (conversational)
TECHNICAL SKILLS - Java/JavaFX; JavaScript/React/Redux/Firebase/Express; Microsoft Office Suite; R//Rstudio/Jupyter; and Lisp programming language family