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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 for Kidney Disease, Intro to Data Science, UBC, Vancouver, BC Winter 2019

- Ran a classification algorithm (Knn) with 100% prediction accuracy on hospital data from India to determine whether new and existing patients had Chronic Kidney disease
- Created a formal report of findings using R Programming and Jupyter to visualize results obtained from the classification algorithm
- Used relevant libraries Dplyr, ggplot, caret, and GGally to clean, model, train and conclude data

Badminton Social, Social Media App Personal Project Summer 2019

- Built Full Stack web application using Firebase, JavaScript, Express and React to create a platform for badminton users to share and socialize about recent global badminton events
- Designed front-end using the Material-UI library and persisted user data using React
- Created REST API using Express to handle user requests and store user data on Firebase

WORK EXPERIENCE

Undergraduate Academic Assistant, Department of Statistics UBC, Vancouver BC Jun 2019 - Present

- Increased database capacity by over 20 GB by developing a centralized package to base all datasets for Data Science courses using R/RStudio
- 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

Assistant Tutor, Kumon, Burnaby BC Mar 2018 - Sep 2018

- Marked homework of 100+ students to accommodate individual student growth while recording each individual student's test scores into a database
- Taught students aged 6-15 Math and English topics up to Integral calculus
- Promoted self-intuitive learning habits to develop passion amongst students

RELATED VOLUNTEER AND EXTRA-CURRICULAR ACTIVITIES

Research & Data Analytics Assistant, VSE Career Centre, UBC, Vancouver, BC Apr 2019 - Present

- Improved volume of data collected from students by 400% within the BIE degree program
- Implementing an Excel course to be fully self-directed while reducing operational costs by 30%
- Researched, synthesized, and created the initial outline for an Annual Report

Online Teaching Assistant, Microsoft TEALS Philanthropies, Vancouver, BC Jun 2019 - Present

- Create lecture modules meeting needs of 20+ indigenous students with limited internet access
- Expected to support the main teacher with an Intro to Computer Science course virtually; offer subject matter insights and teach various intermediate topics
- 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 100+ members up for club events
- Created and advertised events engaging more than 1000 people on social media for club activities

LANGUAGES - English; Cantonese (fluent spoken); Mandarin (conversational)

TECHNICAL SKILLS - Java/JavaFX; JavaScript/React/Redux/Firebase/Express; Microsoft Office Suite; R/Rstudio/Jupyter; Git/GitHub