CHRISTOPHER FINN PLUMMER

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EXPERIENCE

Volunteer Math Tutor

Kalamalka Secondary School

Sept 2017 - June 2018 Coldstream, BC

- Peer tutored AP Calculus AB
- Tutored Pre-Calculus 11/12 for students in numerous secondary schools
- Instructed and demonstrated concepts to students of various skill levels
- Used strong communication skills to tailor content to be understandable for each unique person

Junior Accountant

Romei Plummer LLP CPA

March 2015 – April 2018 Vernon,BC

- Assembled, prepared and filed T1 tax returns
- Effectively worked under strict deadlines and in a professional setting

PROJECTS

Mathematical Modelling of CAR T-Cells in Adaptive Immunotherapy

- This research paper analyzes an **ODE model of various cell populations** in adaptive immunotherapy. Additionally, the paper introduces regulatory T cells into the **differential equation model** and is analyzed to see if we are able to draw the same conclusions from the original model. The paper was written by Suzanne Wong and myself and was presented to classmates and submitted to Dr. Brian Ingalls. PDF available for download at website above.

Image Processing

- A personal project that stemmed from my studies in Computational Linear Algebra. This group of **Julia** programs covers various applications of **computational linear algebra** into image processing. Topics include **low-rank approximations, image denoising and image segmentation**. All code available at website above.

CS 246 Final Project

- This final project required us to implement a variation of the strategy game Stratego using **object-oriented programming concepts**. I completing this project alongside one other peer and we received a **grade of 102% for our project and presentation**.

Predictive Analytics: From Past to Present

- A white paper I helped contribute alongside two of my peers. It covers a **brief history of predictive analytics** and is written to raise awareness of predictive analytics to other students. The paper was presented to classmates and submitted to Dr. Mark Spielmacher. PDF available for download at website above.

EDUCATION

BMath Candadite - Computational Mathematics

University of Waterloo

Sept 2018 – Present

- UW Merit Scholarship
- BC Achievement Scholarship
- Coldstream School Scholarship

TECHNICAL SKILLS

- Julia, Git, Bash, Linux around 1 year of experience
- MATLAB, C++, Python around 2 years of experience

PERSONAL SKILLS

- Developed excellent **problem solving** skills that were required to succeed in the diverse abstract and practical problems faced in my mathematics coursework
- Tutoring students, giving presentations on projects and working on infographics has strengthened my ability to **communicate a topic effectively** to a target audience
- Very comfortable working in both an **independent or cooperative** setting as I have experience working in both

NOTEABLE COURSES

- Introduction to Computational Mathematics (AMATH 242)
- Introduction to Real Analysis (PMATH 333)
- Introduction to Game Theory (CO 456)
- Computational Linear Algebra (CS 475)
- Object-Oriented Software Development (CS 246)
- Computational Modelling of Cellular Systems (BIOL 382)
- Applied Cryptography (CO 487)

HOBBIES

- Love hiking, skiing, squash and mountain biking
- Strategy board/video games, favourite right now is chess
- Listening to and discovering new music