

PERSONAL STATEMENT

Computer Science Student (GPA 3.9) at the University of Prince Edward Island (UPEI) with well-developed analytical ability to problem solve, differentiate, critically think and create well-structured code, seeking 12 month Co-operative Education Term with IBM for September 2020 - August 2021.

HIGHLIGHTS OF QUALIFICATION

- GPA: 3.9; Top student in Second Year Computer Science Degree
- Recipient of TD Student Research Award in April 2020 to pursue summer research in Machine Learning and Human Computer Interaction (Competitive Award)
- Proficient: Java (2+ Years), Unix Environment
- Comfortable: Python, C, C++, Html, SQL, PHP, Verilog (remove 5 months- just put no timeline)
- Active participant in Competitive coding and Computer Science Problem Solving as evidenced by X+ solved problems on open.kattis.com competitive problem solving website.
- Strong grounding in Data Structures, Algorithms and OO Design

EDUCATION

Bachelor of Science, Major: Computer Science

Sep 2018-Present

University of Prince Edward Island, Charlottetown, PE

- **GPA:** 3.9
- **Relevant Courses:** Data Structures and Algorithms, Programming Practices, Digital Systems, Comparative Programming
- **Relevant Projects:** Available on github.com/EssayasKassa/Projects

PROFESSIONAL EXPERIENCE

Research Assistant CO-OP

April 2020 - Sept 2020

University of Prince Edward Island, Charlottetown, PE

- Implemented an interactive movement analysis system deployed on a portable machine learning platform (NVIDIA Jetson Platform)
- Used Arduino, Python, C, and C++ to develop software incorporating real-time data from various sensors including IMUs and sEMG
- Utilized neural networks to analyse and characterize the specifics of movement in real-time
- Built small movement datasets to be used to train the neural networks

Lab Assistant

Jan 2020 - April 2020

University of Prince Edward Island, Charlottetown, PE

- Assisted Professors with explanations and instructions on course materials to students in the lab setting
- Only top students displaying broad skills are hired as Lab Assistants at UPEI