

Twambilire Mercy Mphulla
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Personal Profile

I am a Hardworking and ambitious individual with a strong passion in software engineering and technical writing. Possessing excellent communication skills and a passion for continuous learning, I am highly motivated to build a successful career and contribute positively to any team or organization I join. Through my commitment to personal development, demonstrated by my achievements in chess and education, I have developed strong strategic thinking, communication, and teamwork skills to foster my career in software development. I am enthusiastic to gain and strengthen my skills so as to grow in experience and make a meaningful impact digitally.

Educational Background

Malawi University of Business and applied Science 2019 – present

Diploma, Mechanical Engineering

Maranatha Girls Academy (High School) 2019
Secondary School Leaving Certificate

Teaching Experience

Undergraduate Teaching Assistant Sep 2017 – May 2018

Department of Mathematics, University of British Columbia

- Organized mathematics workshops for the mechanical engineering integrated program, MECH 2 (MECH 221, 222).
- Created teaching material, facilitated student learning during the workshops, and graded corresponding exams.

Presentations

Undergraduate Presentation on a mechanical device using a siphon principle 2024

- Presentation titled “The Role of Magical Transfiguration as applied to Mythical Creatures”

Skills/Techniques/Languages

Programming Languages

- JavaScript (Beginner)
- C++ (Beginner)
- C (Beginner)

Software

- Visual studio
- Git

Web Development

- HTML, CSS, JavaScript
- CSS
- Javascript

Operating Systems

- Android
- Windows

Others

- MS Word
- Technical writing
- MS Excel
- Problem-solving
- Teamwork

Notable Courses and Training

Drone technology and Piloting

May 2025

- Participated in a four-week workshop on current machine learning methods Predictions on and visualization of high-dimensional data (i.e., biological data)

Software Engineering July Cohort at PLP Academy

July- 2025

- Currently enrolled in an 8-weeks program where I get to hone my skills and gain experience in software engineering

- Collaborated with company “Smart Shores” to improve shoreline protection and reduce the impact of flooding on coastal vegetation
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Arduino Programming

2019-present

- On-going participation in a Design studio workshops on programming using the Arduino technology

Projects

Mathematics Representative

Nov 2016 – Jan 2017

Undergraduate Academic Council

- Represented students in the Department of Mathematics at the Undergraduate Academic Council in the University of British Columbia

Vice-President Social

Mathematics Undergraduate Council

- Planned and designed social events for students in the Department of mathematics at the University of British Columbia

Hobbies and Interests

Reading

- In order to match up to the new trends in technology one has to read, thus my hobby.

Programming

- Facilitate weekly runs
- Coach club members for Vancouver races year-round

Learning

- learning new skills in order to expand my knowledge, especially in software engineering.

References

Professor Albus Percival Wulfric Brian Dumbledore
Headmaster, the University of Hogwarts, British
Columbia lemon.sherbet@hogwarts.ubc.com

Professor Minerva McGonagall
Professor of Transfiguration, the University of Hogwarts, British Columbia
animagus_meow@hogwarts.ubc.ca

Hermione Jean Granger
Minister of Magic
Underground of Whitehall, London, GB (by owl only)