

# FATIMAH Z. M. MOHAMED MAZAHIR

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## Summary

- Focused and analytical-minded electrical engineering graduate with a strong foundation in circuit design, power system analysis, and mathematics. Currently pursuing Master's in Electrical Engineering with a focus in Power Systems Engineering and Controls.
  - Strong mathematical skills to help collect, measure, organize and analyze data.
  - Advanced skills in computer applications such as MS Office/Teams/OneDrive and a familiarity with Power BI.
  - Excellent interpersonal and communication skills, gained through work as a *Technical Coordinator* as well as a *Support Facilitator* for First Year Engineering Office, while showcasing strong teamwork qualities and problem-solving skills, and attention to detail.
  - Experienced with building a real-life substitute of a power system using single-line diagrams while complying with system standards and codes, shown through the final year project on *Remote Monitoring and Control of Power Substations* resulting in a final grade of A+.
  - Proficient with: Assembly language, Protection and control, schematics, wiring diagrams, MATLAB, MULTISIM, SIMULINK, ETAP, MS Office Suite and G Suite.
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## Experience

### First-Year Engineering Transition Support Facilitator

Toronto Metropolitan University • Toronto, ON

09/2022 - 04/2024

- Responsible for a yearly campaign that promotes and celebrates each of the university's 9 disciplines every month. Each month features a different discipline that consists of an event, social media campaign, an interview with professors.
- Worked with various FYEO staff members to help provide students with various learning opportunities.
- Researched student training and mentorship programs, and learning resources and strategies to support student success.
- Worked with the Director to support the development of the FYEO's various toolkits and resources.
- Responsible for the process and hosting of the Engineering Student Conference 2023 and Engineering Student Conference 2024.

### Data Analyst

TELUS International • Remote

03/2022 - 08/2022

- Worked in a fast-paced environment with the ability to accurately type more than 50 wpm to analyze and grade various data queries.
- Conducted research on current and historical business, media, sport, news, social media and cultural affairs in Canada.
- Performed analysis of data queries with users search results and ensuring appropriate outcomes.

### Technical Coordinator

Transcom Worldwide • Toronto, ON

10/2020 - 04/2021

- Worked in a fast-paced environment with the ability to accurately type more than 65 wpm to log cases.
- Handled customer issues and enquiries over the phone, and assisted with diagnosing and resolving them.
- Responded to support requests from end users and patiently walked individuals through basic troubleshooting tasks.
- Broke down and evaluated user problems, using test scripts, personal expertise and probing questions.

- Documented all transactions and support interactions in system for future reference and addition to knowledge base.
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## Projects

### Capstone Design Project – Remote Monitoring and Control of Power Substations (09/2020 - 04/2021)

- Responsible for building a real-life substitute of a power system using single-line diagrams while complying with system standards and codes.
- Team leader for 1/4 phase of the 8-month project duration, was responsible for setting up meetings, taking down meeting agenda, take care of conflicts and ensure the project is on task and meeting deadlines.
- Investigated and researched the most effective VPS and web hosting provider to host both an ETAP-related interface by running a virtual machine and downloading ETAP DXM on the server as well as a website, and assisted with hosting the front-end application.
- Completed a comprehensive 40-page report that showcased the theory, design, components involved, and results.

### Engineering Design Project – Telescope Design (04/2020)

- Researched about various telescope designs, the many working principles, the current state-of-the-art, and improvements and recommendations for a better device.
- Completed a detailed report in an IEEE report format that thoroughly discussed the aforementioned sub-topics.

### Major Design Project – VCFG (09/2018)

- Designed, simulated, implemented and tested a Linear Voltage-Controlled Function Generator. Several sub-circuits were involved in the final design of the generator that had to meet a set of specifications.
  - Completed the project with a detailed report that thoroughly discussed the different components implicated in the project, its design analysis with relevant results and observations.
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## Education

### Electrical Engineering (MEng)

Toronto Metropolitan University • Toronto, ON

- Main coursework in Digital Systems Testing
- Expected completion: Fall 2024

### Data Science and Analytics (MSc)

Toronto Metropolitan University • Toronto, ON

- Main coursework in Des Algorithms and Programming, Machine Learning and Management of Big Data and Tool.
- Temporarily on-hold (completed 1 year)

### Electrical Engineering (BEng)

Toronto Metropolitan University • Toronto, ON

- Main coursework in Power Systems Protection, Electric Circuits, Mathematics, Photonics, Digital Systems, Computer Programming, Project Management and Communication in the Engineering Profession
- Dean's List (Fall 2019 and Winter 2020)