

# Faizan Rasool

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## Experience

### AMI Network Analyst (Co-op) • Hydro One • Mississauga

May 2021 - Present

- Designed and programmed tools that reduce the amount of time taken to complete weekly tasks/reports by up to 85% using VBA
- Designed and created an employee performance tracker used by the leadership team for employee reviews
- Detected the over/under usage of several hundred meters for which customers were billed incorrectly

### STEM Tutor • Paper • Remote

Sep 2021 - Present

- Managing tutoring sessions with students from K-12 (simultaneously) for mathematics and programming
- Create an engaging learning environment and enhance student confidence and interest in learning

### Teaching Assistant • McMaster University • Hamilton

Jan 2021 – April 2021

- Overseeing laboratories for the first-year engineering course, ENG 1P13 (Integrated Cornerstone Design Projects in Engineering)
- Assisting instructors in the evaluation of course assignments and development of feedback

## Projects

### J.A.R.V.I.S Writes

May 2022

- Designed and built a web application that returns an AI-generated response based on a user prompt
- Technologies used: React.js, Open AI API, TypeScript, React-Query, Axios and localStorage
- Website: <https://bit.ly/3yfd6w3> Source Code: <https://bit.ly/3LyxeBt>

### Code Bytes

Apr 2022

- Designed an online code editor that allows collaborative code editing in real-time and supports 10+ languages
- Technologies Used: React, MongoDB, Express, Socket.io, Cors
- <https://bit.ly/3vrs2ZQ>

### Rapid Math

Jun 2020

- Designed and built a math-based mobile application/game for Apple's IOS platform using Swift and Storyboard
- <https://bit.ly/345SyMq>

## Education

### B.Eng. Electrical Engineering (Co-op) – McMaster University

Expected Graduation: Apr 2023

- Honors Entrance Scholarship (\$750), Deans Honors List (2020-2021)
- Relevant courses: Data Structures and Algorithms, Electronic Devices and Circuits, Signals and Systems

## Skills

**Languages:** HTML, CSS, JavaScript, Python, Java, C, SQL, Swift, MATLAB, VBA

**Tools/Technologies and Frameworks:** Node.js, React.js, EJS, PSpice, Git/Version Control, Linux

**Software:** Quartus II, Keil, MS Office, SAP