Dhairya Khara

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EDUCATION

Honours Bachelor of Science in Computer Science
September 2021 – May 2025

University of Toronto, St. George Campus — *Toronto, ON*

- Dean's List Scholar for 2021 - 2022 academic term with cGPA of 4.0/4.0
- University of Toronto Scholar Award recipient
- Enrolled in the Arts & Science Internship Program (Co-op)

EXPERIENCE

Computer Lab Assistant
Toronto, ON

BMO Finance Research and Trading Lab, Rotman School of Management — *September 2022 – Present*

- Conducting Python workshops to familiarize over 150 MBA students with syntax, data structures and APIs.
- Assisting students in navigating various programs such as Bloomberg Terminal, Capital IQ and WRDS.

Software Developer
Toronto, ON

University of Toronto, Students Developing Software Team — *May 2022 – August 2022*

- Assisted in developing Markus - a Ruby on Rails web application that is used for submission and grading of coding assignments for over 5000 users across three different academic institutions.
- Created multiple UI/UX elements in React and jQuery such as drag and drop, emoji annotations and improved 400 error pages resulting in an overall better user experience.
- Redesigned file submission in React by providing students with a checklist and an option to rename their files.
- Improved CI/CD pipeline by increasing the testing coverage of the RSpec and Jest suites by 5%.

Computer Science Intern
Toronto, ON

University of Toronto, Sidney Smith Commons — *May 2022 – August 2022*

- Provided peer support and academic guidance to over 700 current and incoming Computer Science students.
- Developed educational and informative content that resulted in a 40% increase of followers on Instagram.

Instructor
Remote

Mathstronauts — *October 20221 – Present*

- Teaching web and game development to over 50 high school students in underrepresented and at-risk communities.
- Developed assignments, slides and quizzes to make student learning as interactive as possible in an online setting.

PERSONAL PROJECTS

The Seasons Collection: Spring | *Unreal Engine 4*
Steam

- A 3D First Person Shooter story rich game.
- Published on Steam with over 19540 unique units activated.
- Integrated Discord Rich Presence using Discord's API and SDK.

Stock Prices vs Economic Indicators | *Python, PySimpleGUI, MatPlotLib, Numpy, Pandas*
GitHub

- Application that analyzes the correlation between stock prices and economic indicators during the pandemic.
- Showed technology stocks were most impacted due to the pandemic with a correlation coefficient as high as 0.85.

Expense Tracker | *MongoDB, Express, React, Node.js*
GitHub

- A full-stack web application to help users keep track of their expenses.
- Implemented Google OAuth for authentication.
- Deployed using Heroku and MongoDB Atlas.

TECHNICAL SKILLS

Languages: Python, Java, Ruby, JavaScript (with Node.js), HTML, CSS
Frameworks and Libraries: React, Redux, Express, Rails, Jest, RSpec
Database Program: PostgreSQL, MongoDB (with Mongoose)
Cloud Platforms: Google Cloud Platform, Amazon Web Services, Heroku
Developer Tools: Git, GitHub, Docker