

# Muhammad Ali Hafeez

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## EDUCATION

### University of Toronto

Toronto, ON

Mathematical and Physical Sciences- Pursuing Economics and Statistics double major; Computer Science minor Class of 2026

### University of British Columbia

Kelowna, BC

Bachelor of Science- Pursing a Bachelor of Economics (Transferred to University of Toronto after first year)

Academics: Cumulative: 4.11/4.33, Dean's List

## PROFESSIONAL EXPERIENCE

### The Entertainer FZ LLC

Dubai, UAE

Content Executive Intern in the Production Department

June 2022 – July 2022

- Working under the global head of production Co-led an app-revamping project in GCC countries.
- Checking if external business partners were meeting contractual obligations.
- Made informed progress reports in collaboration with graphical design team at global production team meeting.

## EXTRA-CURRICULAR ACTIVITIES

### University of Toronto Machine Intelligence Student Team (UTMIST)

Toronto, ON

Member

Jan 2023 – Present

- Learning to program machine learning algorithms in PyTorch, Numpy and pandas from club officials (i.e. basic pattern recognition AI)
- Networking with fellow machine learning enthusiast

### University of Toronto Rotman Commerce Innovation Group X Microsoft: Case Competition

Toronto, ON

Competitor

Feb 2022 – March 2022

- Pitching a fine-tuned machine learning program to allow for multi-lingual programming in existing programming languages using Intelisense and increase coder-diversity in Canada. [github.com/Mutli-lingual-Programming-Pitch](https://github.com/Mutli-lingual-Programming-Pitch)

## PROJECTS

### Analysis of Cellular Proteomic Processes in R | [github.com/Analysis-of-Cellular-Proteomic-Processes](https://github.com/Analysis-of-Cellular-Proteomic-Processes)

- At time t in experimental conditions x, what TF are most predictive of cellular states using classification trees.
- Do protein levels in experimental conditions x change over time using two sample hypothesis testing.
- At time t in experimental condition x what is the relationships between different proteins using correlation estimation.

## SKILLS, PROGRAMMING LANGUAGES, ACTIVITIES & INTERESTS

**Skills:** Microsoft Excel, PowerPoint, Macros

**Programming Languages/Tools:** Python, Java, R, Polygot Notebooks, Latex

**Other Activities:** World Para Athletics Volunteer, ED-Venturelist Consulting climate case competition in progress

**Interests:** Machine Learning, Mathematical Modeling, Natural Language Processing, Econometrics