Taha Ali

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EDUCATION

University of Toronto   Aug. 2019 – Present

Bachelor of Computer Science and Minor in Math

- **CGPA**: 3.5/4.0, **Average**: 85%
- **Dean's List**
- **Coursework:** Data Structures and Analysis, Software Tools and Systems Programming, Operating Systems, Algorithm Design and Analysis
- **Course projects:** File Compression/Decompression via Huffman Coding in Python, File System in C, Transit System Interface in Java, Doodle Jump in Assembly
  Awards
  - ∗ University of Toronto Scholar's Scholarship - $7,500
  - ∗ University of Toronto Entrance Awards - $3,000

SKILLS

Languages : Python, Java, C, MIPS Assembly, Racket, Haskell, HTML/CSS, Latex
Developer Tools : Git, Pip, Anaconda, Visual Studio, Pycharm, Jupyter Notebook, DrRacket, IDLE, MARS Runtime
Frameworks and Libraries : Pandas, Matplotlib, Flask, Voila, Heroku, Tensorflow, Sklearn, GPT-3, Codex

DEVELOPMENT EXPERIENCE

Path Finding on Map Visualizer

- Designed a path finding algorithm visualizer that maps paths using a variety of algorithms on GPS like map
- Allows users to compare efficiency and results of the different algorithms
- Created using python interface libraries like ipyleaflet and ipywidget
- Deployed as a web app using Voila and Jupyter Notebook
- Uses OSMNX and openstreetmaps API to get map data

Sports Data Visualizations

- Designed visualizations of sports statistics to analyze and compare players and teams
- Matplotlib, Pandas, BS4 to collect data and create visualizations, and graphics on Camtasia Video Editor
- Shared and Monetized visualizations on Social Media; accumulated over **2.5+ Million Views** on YouTube ; accumulated over **5+ million impressions** on Twitter
- Partnered with popular media brands; SportsBible and Sporf
- Created a FLASK web app with a partner to allow fans to create similar visualizations
- Highlights: EPL Goals Comparison at the same age, Liverpool Season Review, NBA Points per Game Comparison

EXTRACURRICULAR

Clarkson Community Centre

Event Planner

- Worked with a group of student volunteers to plan events in the community for the youth
- Organized events that had 100+ attendees