

Samyak Mehta

<https://samyakmehta.me/> | samyak.mehta@mail.utoronto.ca | www.linkedin.com/in/Samyak-Mehta2 | www.github.com/Samyakk123

EDUCATION

University of Toronto

Honours Bachelor of Science, Computer Science Co-op

Specialization in **Software Engineering** and major in **Statistics**

Named on Deans List of Academic Excellence (Nov 2019, Sept 2020)

September 2019 - Present

CGPA: **3.73** / 4.0

SKILLS

Languages: Python | Java | C | HTML/CSS | JavaScript (TypeScript, JSON) | Shell Scripting

Relevant technology and tools: Angular | React | Figma | Jira | GitHub / Git | SVN | Spring boot | Mongo DB | Neo4j

Concepts: Rest APIs | Agile methods (Scrum, Test Driven Development) | Version control | Maven

EXPERIENCE

Academic Representative

Sept 2020 - Present

AMACSS (The Association of Mathematical And Computer Science Students), Toronto, ON

- Holding regular weekly office hours for first years to ask for assistance in course material
- Organizing and conducting seminars prior to midterm and finals for first year courses
- Communicating with other club members to help provide effective teaching strategies

Camp counsellor

June 2019 – Aug 2019

YMCA, Toronto, ON

- Teach campers a range of outdoor activities and ensure recreation equipment is used effectively, secured and stored safely
- Take attendance alongside planning and overseeing camper activities throughout the days up till after care child pickup
- Ensure camper safety and monitor their activities and supervise during meal

PROJECTS

U-Impactify ([Website](#), [GitHub](#))

Angular / MongoDB / Jira / Agile / Express / Node

Sept 2020 – Dec 2020

- Worked alongside 7 group members to develop an online learning platform
- Facilitated daily scrum meetings alongside version-control tools such as Jira and Git while following the Agile development process throughout the project
- Various functionalities including creating courses, assessments, uploading lectures and files using Mongoose, Multer, and MongoDB GridFS

Spotify API Clone ([GitHub](#))

Java / Spring Boot / MongoDB / Neo4j

Sept 2020 – Dec 2020

- Worked in a group of 2 to implement a REST API in java Spring Boot using microservices to connect databases
- Functionalities: favouriting and unfavouriting a song, creating a playlist, following and un-following other users and querying songs from followers

Connect Four ([GitHub](#))

Java / Java Swing / Window builder

Aug 2020 – October 2020

- Created an interactive GUI using Java Swing and WindowBuilder with player vs player and player vs AI compatibility
- Effectively implemented the minimax algorithm to mimic the various difficulties offered to users playing alone
- Performed Alpha-beta pruning to significantly increase the efficiency and speed allowing for easier gameplay

Mock Linux Shell ([GitHub](#))

Java / Agile

June 2020 – August 2020

- Worked in a group of 3 to create a mock Linux shell that mimics the functionality of core bash commands alongside a mock filesystem
- Used the Scrum agile software design process to ensure the completion of the project with minimal complications
- Used various software design patterns to complete the project with an effective coding design open to future expandability
- Performed J-Unit testing to verify the efficiency and consistency of our code alongside edge cases