

# Aryan Patel

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## Education

### University of Toronto

**Honours Bachelor of Science**, Computer Science (Co-operative Program)

*Specializing in Software Engineering and Majoring in Statistics*

*Dean's List of Academic Excellence (2019 – 2020)*

*Sept 2019 – Present*

*cGPA 3.79 / 4.0*

## Technical Skills

**Languages:** Python, Java, C, HTML / CSS, JavaScript, TypeScript

**Framework and Tools:** React, Angular, Version Control (Git, SVN), Jira, MongoDB, Neo4j

**Concepts:** REST APIs, Agile methods (SCRUM, Test Driven Development)

## Projects

### U Impactify, An Online learning Platform ([Website](#), [GitHub](#))

*Angular / MongoDB / Node / Jira / Express / Agile*

- Developed an E-learning website in a team of 7 for users to develop their company's capacity, teach, and engage in various courses
- Effectively used the **agile** software development principles over 4 sprints and **Jira** Board to track and organize features needed to be implemented
- Core features include creating courses, student assessments with analytics, real-time chat, and uploading lectures and files using **MongoDB**, Multer, and GridFS.

### Spotify API Clone ([GitHub](#))

*Java / Microservice / Spring Boot / MongoDB / Neo4j*

- Utilized **Microservices** for future extensibility and **Java Spring Boot** to develop a **REST API** that mimics Spotify
- Core features include creating a profile, following and un-following users, liking and un-liking songs to playlist, and querying songs from followers

### Mock Linux Command-Line Interface ([GitHub](#))

*Java / Agile / Junit*

- Followed all specification of the **agile** software development principles during the development of the project in a team of 3
- Constructed a command-line interface in java mimicking fundamental commands found in Unix based programming
- Implemented using **object-oriented programming** and various design principles to ensure well written and efficient code
- Created **Junit** testing to test edge-cases for potential bugs and the program's consistency

### Portfolio Website ([Website](#), [GitHub](#))

*React / HTML / CSS / JS*

- Developed using **React** to construct an appealing website encompassing personal goals and experiences
- Fully responsive website that dynamically changes appearance depending on the screen size and orientation
- Implemented automatic deployment with **GitHub** action and pages

### Artificial Intelligence for Connect Four ([GitHub](#))

*Java / Java Swing*

- Implemented an efficient AI algorithm with the potential to be used in other games with minimal changes
- Created a graphical user interface using **Java Swing** and Window Builder extension
- Communicated in groups of 2 to ensure that each task was completed in a timely and efficient manner

## Experience

### Academic Representative, *The Association of Mathematical and Computer Science*

*University of Toronto, Sept 2019 – Present*

- Holding weekly office hours for first year students to assist with academic concerns and issues
- Communicating among other team members and instructors to plan out crucial learning concepts
- Assisting with planning and executing seminars for midterm preparation and effective learning strategies

### Associate Staff, *The Canadian National Exhibition*

*Toronto, ON, July 2019 – August 2019*

- Communicated with staff and supervisors to ensure all safety measures were effectively followed and maintained for all visitors
- Provided clear instructions to children and adults with standard CNE protocols to prevent accidents and all other issues
- Co-operated with co-workers before shifts to set daily goals where every staff must follow to make sure the day goes smoothly as possible