

Michael Jordan Rubenstein

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EDUCATION

University of Toronto

Toronto, Canada

Bachelor of Science / Computer Science Specialist

Expected May 2024

- Cumulative GPA: 3.85 | Dean's List Scholar
- Courses: MAT137/235/223, STA247/248, CSC110/111/207/209/258/236/263, VIC172/173, AST201
- Extra-Curricular: CS Intramural Soccer Team Captain, Calculus Registered Study Group Leader

55 International School

Beijing, China

International Baccalaureate Diploma

Received May 2020

- IB Final Mark: 39/45
- GPA: 3.81 | Top 5 of Graduating Class
- Extra-Curricular: Student Council Vice-President and Dept Head, Roots and Shoots Club Leader

PROJECTS

UTinder | Study Planner and Socialization App | *Java*

November 2021 – December 2021

- Designed application architecture adhering to principles of Clean Architecture, implemented Community related functions and user interface, connected postings to cloud database, conducted extensive testing using JUnit
- Community features include: post thread, comment under posts and comments, follow users

Frogger | Re-imagination and Creation of Classic Frogger Game | *Assembly*

December 2021

- Designed map layout, allocated registers for each function, designed and implemented game logic, connected Bitmap Display, connected keyboard and MMIO simulator, debugged and tested game

Day Trip Itinerary Generator | *Python*

March 2021 – April 2021

- Researched and gathered attraction, restaurant, subway data of Paris, created program to combine and clean data, program to add missing fields to data via Google Locations API, and devised algorithm based on rating, number of reviews and comments to suggest restaurants and attractions

Predicting and Visualizing the Rise in Sea Levels | *Python*

November 2020 – December 2020

- Helped with finding correlation between temperature and sea level rise between 2006 - 2020, devised algorithm that split map grids, found corresponding altitudes and created a data set, created algorithm that found flooded regions

Patent for Wireless Printing | *Patent Experience*

September 2018 – Present

- Invented new printing technology for an existing problem, pitched to potential investors, received positive feedback
- Patent Number: WO2019056910A1

LEADERSHIP EXPERIENCES

Intramural CS Soccer Team | Captain

September 2021 – November 2021

- Optimized team performance by having short recaps at the end of each game, ensured players were both physically and mentally healthy, designed team jerseys, contacted manufacturers and guaranteed on-time production / arrival
- Established Partnership with Computer Science Student Union (CSSU), collaborated to increase CSSU exposure through advertisement in exchange for a sponsorship of \$180

Roots and Shoots Club | Leader

September 2017 – May 2019

- Lead team of 30+ members, responsible for daily operations of the club, including leading regular meetings, organizing environmental-awareness campaigns, producing artworks using recycled materials
- Gave speeches to multiple schools about the club's value and mission, promoted club to get more people involved into the movement, designed and directed promotional videos

Student Council | Department Head and Vice President

September 2016 – May 2019

- Responsible for maintaining student faculty relationship, making sure students' opinions and concerns are heard
- Lead meetings with department heads to ensure efficient daily operation
- Organized large events such as talent shows and Christmas shows, allocated internal and external resources

TECHNICAL SKILLS

Languages: Python, Java, C, Bash, HTML, CSS, JavaScript, R, LaTeX, English, Mandarin

Developer Tools: Git, Linux (Entry), Gradle (Entry)

Applications: Pycharm, IntelliJ, VS Code, MaRs, Logism, RStudio, Word, Excel, PowerPoint