

Sailesh Sikdar

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TECHNICAL SKILLS:

Programming Languages: Python, JavaScript, SQL

Technologies: HTML, CSS, jQuery, SQLite3, Git

PERSONAL PROJECTS

Tic Tac Toe

Python/SQLite3

<https://github.com/s4sikdar/Tic-Tac-Toe-OOP-remote-repo>

- Programmed the basic game of Tic Tac Toe, both in single-player and multiplayer options.
- Programmed the AI for the single-player option by implementing the minimax algorithm.
- Added a feature that allows you to register a username and keeps track of the scores of all usernames, in the form of a leaderboard using the SQLite3 database management system

T-Rex Run

HTML, CSS, JavaScript

<https://github.com/s4sikdar/s4sikdar.github.io>

- Created a version of the Google Chrome dinosaur game using HTML, CSS and JavaScript
- Interacted with the Document Object Model, and multiple layers of HTML5 Canvas elements to create a colored variant of the original game, with the help of the photoshop tool GIMP
- Used JavaScript's Web Workers to further enhance the user experience
- Game can be found here, open preferably in Microsoft Edge: https://s4sikdar.github.io/Dino_game.html

NBA Records Database

SQL/SQLite3

<https://github.com/s4sikdar/CS-338-Final-Project>

- Created an NBA records database for the last 10 years using SQLite3, storing information of NBA teams over the last 10 years, team standings, individual team records, finals results, and records of key personnel within organizations
- Ensured Second Normal Form in all relations, with most being in Third Normal Form

EXTRACURRICULAR EXPERIENCE

Orientation Advisory Committee and Waterloo Orientation Team

Waterloo, Ontario

Black Tie Orientation Leader

June – September 2019

- Responsible for moderating orientation activities for incoming students
- Engaged with students to clarify game rules and provided information regarding the university and campus life
- Successfully managed over 40 students, contributing to a positive orientation experience

Ruffalo Noel Levitz - Annual Giving Phone Program

Waterloo, Ontario

Student Development Associate

September – November 2019

- Participated in fundraising for the University's endowment funds such as the Wellness collaborative, by contacting Alumni and parents of current students
- Raised a total of roughly \$1200 in funds through credit and cheques

EDUCATION

University of Waterloo

Candidate for Bachelor of Mathematics in Math/Business Administration

Class of 2022

- **Awards:** University of Waterloo President's Scholarship (\$2000)
- **Courses:** Coursera: Programming for everybody (Getting Started with Python), Udemy: Python for Finance – Investment Fundamentals and Data Analytics, ECON 102 – final mark of 98, ACTSC 371 – final mark of 86 (class average of 73), AFM 101 – final mark of 89

ADDITIONAL SKILLS AND INTERESTS

- **Skills:** Experience in Microsoft Office, Microsoft Excel – former experience in a school course with Excel tools and functions, interests in Finance, Stock Investing, and basketball