

Tasbir Rahman

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Education

University of Toronto

Pursuing Computer Science Specialist

cGPA: 3.80

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Software Design, Software Engineering, Web Development, Databases, Functional Programming

Toronto, ON

Sep 2016 - Exp. May 2021

Skills

Languages and Frameworks: Javascript, Java, Python, C, Node.js, Express.js, HTML, CSS, Haskell, Racket, SQL, MongoDB, Bash, Flask

Development Tools: Git, Vim, Android Studio, IntelliJ IDEA, PyCharm, PostgreSQL

Projects

MeetNPlay

Oct 2018 - Dec 2018

<https://github.com/tasbir49/MeetNPlay/>

- Collaborated with 2 other people to create a web app that allows users to meet up for local multiplayer games.
- Used **Node.js** and **Express.js** with frontend coded in vanilla **Javascript** and data stored with **MongoDB** and game information obtained using the International Game Database API.
- Oversaw the initial setup of the backend and built the account and reports pages.
- Implemented administrative account functionality including banning users, changing passwords, changing account privileges, and reporting users.

Super Mario Bros. Recreation

May 2016 - Jun 2016

<https://github.com/tasbir49/2d-platformer>

- Went well beyond the scope of a high school CS assignment in order to learn what goes into programming a 2D Platformer.
- Developed in **Java** using the Swing graphics library.
- Programmed a faithful recreation of Super Mario Bros. including sprite animations, music, sound effects, and the ability to jump on enemies.

BreadWinner

Sep 2018 - Dec 2018

<https://github.com/tasbir49/BreadWinner>

- Collaborated with 6 other people to create an android app where users post listings of home cooked meals that other users can pay for using **SCRUM** methodology.
- Developed in **Android Studio** using **Java** and **Python** with the **Flask** framework with data stored in a **PostgreSQL** server.
- Designed the database schema.
- Implemented API functionality for adding listings and adding user reviews.
- Streamlined the process of making HTTP requests in Java.
- Built the reviews view for the user along with fetching the review data from the backend.

EXT2 File System Operator Assignment

Nov 2018 - Dec 2018

Source code only available upon request to prevent plagiarism

- Programmed multiple **C** applications that operate on disk images formatted to EXT2 with a partner for an operating systems course.
- Developed the utilities that are commonly used by all the applications.
- Implemented applications to copy files to and make directories in disk images.
- Created file deletion and recovery applications.
- Developed an application that verifies the integrity of an EXT2 disk image.