

Martin Klasninovski

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EDUCATION

Wilfrid Laurier University

Honours Bachelor of Science - Computer Science

Sep 2020 - May 2022

GPA: 3.8/4.0

University of Toronto

Honours Bachelor of Science - Computer Science

Sep 2018 - Apr 2020

TECHNICAL SKILLS

Languages

Python, Java, HTML5, CSS3, JavaScript, C

Databases

SQLite, PostgreSQL

Frameworks & Tools

React.js, Express.js, Node.js, SCSS, Git, Linux, Postman

EXPERIENCE

Dalvina Canada | Office Assistant

Jun 2017 - Aug 2019

- Updated inventory, as well as received and processed order forms with Excel.
- Organized and prepared cases for shipping according to the set delivery schedule.
- Communicated with clients regarding orders, samples, and general inquiry.
- Maintained the front-end of the company website.

PROJECTS

Weather App | Java, JavaFX, SQLite, CSS



- Retrieves accurate weather location information by utilizing the **OpenWeatherMap API**.
- Configured a **GUI** to display components of the weather, with matching images to the weather results.
- Incorporated a current weather forecast, as well as a 5 day forecast for the desired search location.
- Optimized the speed that weather data is displayed by using an **SQLite** database to store up to 10 of the user's preferred locations; including a favourite location as the default display.

Sudoku | HTML, CSS, SCSS, JavaScript



- Implemented a web based version of the classic game of Sudoku, with 3 possible difficulty settings.
- Created a **backtracking** solver that is able to solve even the most difficult puzzles in under 1s.
- Integrated features such as move hinting, input validation, varying difficulty puzzle generation, and the ability to create your own sudoku puzzles.

Othello | Java, JavaFX

- Redesigned the game of Othello within a group of 4 to include move hinting, the ability to face varying levels of bot difficulties, as well as single player, multiplayer, player vs bot, and bot vs bot functionalities.
- Applied an **agile** approach of development, using **scrum** to implement the game and fix bugs efficiently.
- Developed a working **GUI** for the game; utilizing **MVC** architecture, and various **design patterns**.

Face Detection | React.js, Node.js, Express.js, PostgreSQL



- Built a **React.js** app that detects faces from uploaded images using Clarifai's **Face Detection API**.
- Constructed a user registration and authentication system, and made use of bcrypt for added security.
- Utilized **PostgreSQL** to store the profile data and the number of uploaded photos of each user, and then ranked each user on the site from this data.