Basil Kanaan

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EDUCATION

University of Toronto   Sep 2018 - Apr 2022
Bachelor of Science with Highest Distinction - Computer Science Specialist   CGPA: (3.51/4.0)
Honour Roll
- obtained a grade of 90% or greater in multiple Mathematical and Computational Sciences courses
- coursework included software engineering, web development, databases, data structures, algorithms, info security, machine/reinforcement learning, artificial intelligence, systems programming

PROJECTS & WORK EXPERIENCE

BillTracker Website
React, JavaScript, Scrum, HTML/CSS, Figma, Material-UI, MongoDB, REST
- Lead team of 6 for development of React app in JavaScript under agile framework
- Online platform for centralizing and optimizing financial tasks
- MongoDB for storing user data and bills/transactions, conforms to REST architecture

2D-Fortnite Website
NodeJS, Express.js, PostgreSQL, jQuery, Javascript, Rest, HTML/CSS
- As a team of 2, developed Battle Royale NodeJS application with Express library
- Backend uses PostgreSQL, jQuery, and JavaScript and conforms to REST architecture
- User data and passwords encrypted and securely stored in database

Android 'Timetable Optimizer' App
Java, XML, Android Studio, SQLite
- Independently created the app using Java and XML in Android Studio, now available on the Google Play Store
- Efficiently generates optimized course schedules based on user preferences
- Utilizes web scraping and SQLite databases, with user-friendly interface

Code Ninjas Programming Instructor
Python, Scratch, MIT App Inventor, TinkerCAD
- Responsible for teaching children of various ages about programming and technology as an Instructor
- Taught multiple groups of children Python, Scratch, MIT App Inventor, and TinkerCAD
- Actively contributed to the creation of instructional materials for the company
- Kids learned how to program and use technology effectively, and the company was able to provide better resources to their students.

Othello Board Game
Java, JavaFX, Scrum, MVC
- Worked as a team using GitHub under scrum framework over the course of 4 weeks
- Used a multitude of design patterns, including Model-View-Controller, Strategy, Visitor

Multiple Machine Learning, AI, and RL projects
Tensorflow, Pytorch, SciPy, Scikit, Pandas
- Facial emotion recognition, object tracking, regression and classification, NLP word embeddings
- Used fundamental and advanced practices of ML with different frameworks

SKILLS

Languages: Python, Java, JavaScript, HTML/CSS, C/C++, SQL, bash
Tools/Technologies: AWS, GCP, React.js, Node.js, Git, PostgreSQL, Docker, Spark, jQuery, JIRA, PyTorch, JavaFX
Practices and Platforms: MERN, CI/CD, Unit Testing, Integration Testing, Linux, Windows, macOS