

Divneet Singh

COMPUTER SCIENCE · STATISTICS

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Education

University of Toronto

CANDIDATE FOR B.S., "SPECIALIST IN MACHINE LEARNING AND DATA MINING CO-OP PROGRAM"

Expected Graduation April 2022

Skills and Tools

Languages: HTML, CSS, SQL, Python, Java, Git, SVN, PowerShell, NumPy, LaTeX, Visual Basic, Javascript, C/C++
Tools: Microsoft Office, Adobe Proprietary Software, SDLC, Scrum/Agile Development, Visual Studio, Netbeans, Eclipse, Android Studio, Wing IDE, Power BI, AutoCAD, Terminal, GitHub, DB Browser, ReactJS, Slack
Relevant Courses: Introduction to Machine Learning, Software Development and Design, Principles of Programming, Web Applications and Databases, Linear Algebra, Regression Analysis, Statistics, Data Structures and Algorithms

Experience

University Health Network

Toronto, Canada

IM/IT ANALYST

January 2019 - July 2019

- Pulled patient data from Crystal Reports and automated the creation of multiple operation reports for use on SharePoint using VB code; on average saving the data analysts 1 hour daily
- Using macros and VB code, created a tray request system allowing for better and more organized communication and transportation between inventory staff and OR staff
- Created an automatic graph and communication system for late finished surgeries for nurses and surgeons to examine and comment on regarding their possible mistakes and improvements
- Using macros and VB code, created a communication tool between inventory staff and decontamination staff to monitor the transportation of OR instruments more efficiently
- Created a high aggregate level patient data report using Crystal Reports for sharing on Power BI to visualize surgical floor demand, allows for a better understanding of the without compromising patient data
- **Skills:** MySQL, Visual Basic Code
- **Tools:** Crystal Reports, ORSOS, Microsoft Office, Power BI

Projects

Course Webpage | github.com/DivneetSingh26/Course-Website

FEBRUARY 2020 – APRIL 2020

- Created a course website containing student and instructor login accounts, course information, lectures, assignments, grades and anonymous feedback
- Using a database, the website allowed for creating accounts and logging in as a student or instructor role
- Students are permitted to view grades, submit anonymous feedback to particular instructors and remark requests
- Instructors are permitted to view all the student marks, remark requests and anonymous feedback submitted to them, enter new marks for individual students and view and update the marks for the remark requests
- **Skills:** SQLite, Python, CSS, Javascript, HTML
- **Tools:** Visual Studio, DB Browser

JShell App | github.com/DivneetSingh26/JShell

OCTOBER 2019 – DECEMBER 2019

- Used Agile development cycle to make a Unix-like Shell in Java with SVN to manage and share code among team members
- Incrementally developed the application with fluctuating requirements from client
- The Shell performed all the various commands with files and directories similar to Git or SVN
- **Skills:** Java
- **Tools:** Eclipse

Mario Game | github.com/DivneetSingh26/Mario-Game

OCTOBER 2018 – JANUARY 2019

- Using Java and NetBeans, developed a variation of the Mario game from scratch
- Led the creation and programming of character design and sprites, level design and obstacle design into the game
- Assisted the project team in the implementation of player controls and hitboxes
- **Skills:** Java
- **Tools:** Netbeans