

JANAHAN RAVICHANDRAN

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EDUCATION

University of Ontario Institute of Technology
(Ontario Tech University)

Oshawa, On

September 2018 – Present

Bachelors of Engineering (Honours), Software Engineering

Expected Graduation: April 2022

- Cumulative GPA: 3.7
- Relevant Coursework: Introduction to Programming for Engineers, Objected Oriented Programming and Design, Web Programming, Discrete Mathematics for Engineers, Linear Algebra, Data Structure, Statistics and Probability for Engineers.

SKILLS

Software: Visual Studio Code, Visual Studio, Eclipse, IntelliJ IDEA, PyCharm, WAMP Server

Languages: Java, C++, JavaScript, MySQL, Python, HTML, CSS

Frameworks/Technologies: Node.js, Angular 8, Bootstrap, Git

WORK EXPERIENCE

Bigtech Inc.

Markham, ON

Computer Engineering Co-op Student

Feb. 2017 – June 2017

- Perform repair tickets at an efficiency and safe pace, for devices with hardware faults to get the device return to the customer as soon as possible.
- Strong organizational skills used when working on multiple devices at one time which improved efficiency of repairs by 35%.
- Collaborated with other technicians to diagnose defective hardware and software together to progress/build on teamwork and communication skills.

SELECTED INDEPENDENT PROJECTS

Sudoku Solver

Private Repo

- Created a Python program using PyCharms.
- Program complete sudoku puzzles using a backtracking/search algorithm.
- Used features such as I/O, methods, and recursive algorithms in order to complete puzzle or alert the user if the puzzle cannot be completed.

Super Mario Bros. Game

Private Repo

- Designed and created a Java based game recreating Super Mario Bros.
- Implemented concepts such as classes, object-orientated practices, action listeners and GUI elements.
- Designed and created a collision detection function within the program to detect interaction between two or more objects.

OVO Retail Store | Full Stack

GitHub: <https://git.io/Jewxj>

- Developed a website of the retail store OVO, using HTML/CSS/JavaScript.
- Created a program that provides verification when inputting payment information, to insure correct information is used.

ADDITIONAL EXPERIENCE & AWARDS

Second Prize, UOIT Designathon

September 2019

- Collaborated in a team of four members to produce a center console for a vehicle that utilized a cupholder as well as wireless charging
- Conducted in-depth research regrading quality assurance and ergonomics in the automotive industry to improve product design.