Shaf Nasir

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EDUCATION

UNIVERSITY OF TORONTO, Mississauga, ON, Canada

Bachelor of Science in Computer Science (Honours), Expected April 2020

EXPERIENCE

FIRST DERIVATIVES, Junior Software Engineer (PEY)

May 2018 – August 2019, Toronto, ON, Canada

- Built a web scraper in Python to parse data from library sites to see trends in the availability of E-Books
- Implemented requirements for a project that calculates spare electricity in Ontario neighborhoods
- Developed a Java program to update spare electricity data in a MySQL database for QA testing
- Wrote a C# program to parse YAML files into CSV as part of a kdb+ database sales pitch to a client
- Researched open source visual regression testing tools and presented findings to 20+ employees
- Created a Python script to test website accessibility requirements, saving time from manual inspection

PROJECTS

MY PLAN BOOK, January 2020 - Present

- Collaborated in a team of six to build an all-in-one multi planner Android app in Java
- Contains health and fitness, calendar planning and financial management tools

MUSIC MILLENNIUM CLASSIFICATION, January 2020

- Developed a program in Python that predicts which century a piece of music was released
- Program calculates predictions using classification and nearest neighbour machine learning models

FILE SYNCH, March 2017

- Developed a C terminal program that copies a file to a destination directory
- Program uses multiple processes in parallel to copy directories

EXTRACURRICULAR ACTIVITIES

UOFTHACKS IV

- Accepted to University of Toronto's annual 36-hour hackathon (January 2017)
- Built a top-down 2-D shooting game in Java with Swing GUI in a team of three

ONLINE COURSES

- Udacity: Android Development, freeCodeCamp: Front End Development

SKILLS

Languages: Python, Java, C, SQL, JavaScript, C#, HTML/CSS, Racket, Scala

Software/Tools: Android, MySQL, Neo4j, MongoDB, REST APIs, AWS, Git, Selenium, Spark, Flask, Jira