

# Shaf Nasir

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## EDUCATION

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**UNIVERSITY OF TORONTO**, Mississauga, ON, Canada

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

## EXPERIENCE

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### **FIRST DERIVATIVES, Junior Software Engineer**

May 2018 – August 2019, Toronto, ON, Canada

- Built a Python web scraper to parse library catalogue data from 10+ Ontario public library websites into CSV files for clients to analyze trends in the availability of E-Books
- Implemented requirements for IESO that calculated spare electricity in Ontario neighborhoods
- Developed a Java program to update spare electricity data in Oracle MySQL database for QA testing
- Created 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
- Wrote a Python script using Selenium to automate collection of website accessibility reports from AChecker for Public Health Ontario, saving time from manual inspection

## PROJECTS

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### **MY PLAN BOOK**, April 2020

- Collaborated in a team of six to build an all-in-one multi planner Android app in Java
- Includes 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 files and folders to destination directories
- Program uses multiple processes in parallel to copy directories recursively

## EXTRACURRICULAR ACTIVITIES

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- **UofTHacks IV**: Built a top-down 2-D shooting game in Java with Swing GUI (January 2017)
- **Online Courses**: Udacity - Android Development, freeCodeCamp - Front End Development

## SKILLS

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

**Software/Tools**: Android, MySQL, Neo4j, MongoDB, REST APIs, AWS, Git, SVN, Selenium, VSCode, Google Colab, Scikit-learn, PyTorch, Spark, Flask, Jira