

Fawaz Pirzada

SOFTWARE ENGINEER ·

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Education

University of Toronto

BACHELOR OF SCIENCE IN COMPUTER SCIENCE

- Specialization in Software Engineering

Toronto, Ontario

Sep. 2014 - Jun. 2020

Technical Skills

- **Languages:** Python, Java, JavaScript, HTML, CSS, C, C++, Android Studio, Bash, MATLAB, Scheme, Haskell
- **Databases:** SQL (SQLite, PostgreSQL, MySQL), MongoDB, NeDB
- **Development Tools:** Git, Unix, Subversion, JUnit, NetBeans, NodeJs, RESTful, Bootstrap, unittest

Work Experience

Junior Business Analyst

ENVIRONMENT CANADA

Toronto, Ontario

May. 2018 - Apr. 2019

- Collaborated closely with forecast team to update weather applications; resulted in many bug fixes and timely scheduled updates for applications
- Demonstrated effective troubleshooting skills when testing various applications; succeeded in resolving client concerns in a timely manner
- Updated old startup scripts using python for weather forecaster clients; resulted in speeding up morning schedules for the forecaster team
- Tested and reported bugs on mobile weather forecaster application while working with the developer's team
- Completed black-box testing by testing various applications with a series of edge cases

Projects

Team Member, Software Design Project

UNIVERSITY OF TORONTO

Toronto, Ontario

Sep. 2015 - Dec. 2015

- Implemented Dijkstra's algorithm to search for flights and store the information into a CSV file with the use of Java, Android Studio, Subversion, Object Oriented Programming and Observer Design Pattern
- Interacted closely with three other members within a four-month timeframe designing the front/back end
- Achieved a good grade from the professor and better understanding of OOP as a result of our work

Scrum Master, Exoplanet Database, Physics Professor

UNIVERSITY OF TORONTO

Toronto, Ontario

Sep. 2016 - Dec. 2016

- Developed a program to merge NASA and exoplanet catalogue into the client's personal database
- Designed the backend using python with the use of various python libraries such as parser to read and convert to compatible data along with unittest library for testing, and GitHub for subversion control
- Collaborated closely with three other members within a four-month timeframe using agile methodology
- Strong knowledge of algorithm design and data structures was used in order to read and parse new planet information to save time complexity

Open Source Contribution - Matplotlib

UNIVERSITY OF TORONTO

Toronto, Ontario

Sep. 2017 - Dec. 2017

- Leading a team of 8 developers set in an agile environment, we conducted analysis on Matplotlib to locate and fix various bugs
- Visualized the design pattern of bugs using multiple graph API's
- Organized code and workflow using Github and Trello respectively
- Successfully managed to fix the bugs which ultimately resulted in our code to be forked into the Matplotlib repository

Individual, Web Development Project

UNIVERSITY OF TORONTO

Toronto, Ontario

Jan. 2020 - Apr. 2020

- Created an online web gallery application allowing users to upload photos to their gallery stored in an NeDB database
- Identified users using the cookie-based login system which allows the user to comment on other users photos
- Demonstrated great understanding of NodeJS HTML, CSS, JavaScript, and Bootstrap