

# Fawaz Pirzada

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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, Flask, FastAPI, NodeJs, RESTful, Bootstrap, unittest

## Work Experience

### Bell Canada

BUSINESS ANALYST

Toronto, Ontario

Dec. 2020 - Jun 2021

- Collaborated with various teams and stakeholders to oversee the project life-cycle by documenting all relevant information and achieved critical deadlines
- Designed Visio diagrams to pinpoint key areas for efficiency which in return improved the process turn around time by 15%
- Created and provided key business documents that were utilized for financial validation to verify there are no discrepancies within the data
- Reviewed various software with developers and IT teams to cross compare and conducted performance analyses that provided insight to what software best suited our companies long-term objectives

### Environment Canada

JUNIOR BUSINESS ANALYST

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

## 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, Objected 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 version 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 analyses 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 fixed bugs which ultimately resulted in our code being merged into the Matplotlib repository