# Fawaz Pirzada

Software Engineer ·
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## Education

**University of Toronto** *Toronto, Ontario*

Bachelor of Science in Computer Science *Sep. 2014 - Jun. 2020*

- Specialization in Software Engineering

## 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** *Toronto, Ontario*

Environment Canada *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** *Toronto, Ontario*

University of Toronto *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** *Toronto, Ontario*

University of Toronto *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** *Toronto, Ontario*

University of Toronto *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 merged into the MatPlotLib repository

**Individual, Web Development Project** *Toronto, Ontario*

University of Toronto *Jan. 2020 - Apr. 2020*

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