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Fawaz Pirzada

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Education

Bachelor of Science in Computer Science **2014 - 2020**

- University of Toronto
- 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

Employment

Junior Business Analyst, Environment Canada **2018 - 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

Scrum Master, Exoplanet Database, Physics Professor **Fall 2016**

- Developed a program to merge NASA catalogue 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
- Received positive feedback from the client regarding the complete database and an updated catalogue the client uses professionally

Team Member, Software Design Project, U of T **Fall 2015**

- Implemented a shortest path 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 android front and backend
- Achieved a good grade from the professor and better understanding of OOP as a result of our work

Individual, Web Development Project, U of T **Winter 2020**

- Created an online web gallery application that stores photos into a NeDB database
- Users are identified using the designed cookie-based login system and can comment on other photos
- Demonstrated great understanding of NodeJS and backend development
- Application is fully developed using NodeJs, HTML, CSS, JavaScript, Bootstrap and Github