Rahmatullah **Nikyar**

COMPUTER SCIENCE STUDENT

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Skills

- Languages: Python, SQL, R, JavaScript, HTML/CSS, Java, Haskell
- Frameworks: SQL Server, ReactJS, Shiny, Pytorch
- Other Technologies: Agile/Scrum, RESTful API, Linux, Git, Atlassian JIRA, Natural Language Processing

Work Experience

Data Analyst Co-op

GOVERNMENT OF ONTARIO   May 2019 – December 2019

- Designed and implemented data verification tool that centralized data sources and streamlined QA workflow for manual review of large scale data record linkage system.
- Configured and designed MSSQL Server Database that removed burden of data merging and conflict resolution from previous qa process.
- Created R Shiny application to allow users to interact with and explore database, with iterative feedback from project QA's for UI and UX improvements/features.
- Optimized application performance by implementing lazy loading logic resulting in 75% increase in qa speed.
- Developed POC for binary classification model with PyTorch to highlight crucial news from school board tweets for parents. Achieved model accuracy of 90% in first mock run.

Assistant Instructor Data Analysis and Visualization

UNIVERSITY OF TORONTO SCHOOL OF CONTINUING STUDIES   May 2019 - November 2019

- Presented lessons on data analysis topics including Spark, Python, Pandas, Matplotlib, API/Webscraping, SQL, HTML/CSS/JS, and R to students of varying degrees of technical abilities.
- Assisted students with debugging their programs from in class problem sets and homework, during lecture and office hours.

IT Quality Assurance Co-op

GOVERNMENT OF ONTARIO   September 2018 – April 2019

- Validated IBM Cognos BI data by programming SQL scripts to compare against data from ETL source.
- Performed manual testing and automated testing via Selenium driven framework on Government Web Applications within testing cycle timeline, resulting in smooth monthly deployments and confidence for business side.

Education

University of Toronto Scarborough Campus

CANDIDATE HONOURS B.S. IN COMPUTER SCIENCE   Sept 2015 - Present

- 4th year Specializing in Software Engineering
- Expected Graduation: December 2020

Projects

Seeker

APACHE TOMCAT, APACHE LUCENE, JQUERY   April 2018 – June 2018

- Worked with a team of 3 to create PDF and Document uploading Website used by University users for uploading course materials. Followed Agile methodology: created and tracked user stories with code commits using JIRA, held weekly scrum meetings and sprint planning. Personally responsible for setting up Tomcat backend server to handle GET/POST requests and Apache Lucene implementation to handle document indexing and querying.

DDSBlaze

STACK: REACTJS, SHAREPOINT

- Fire Safety app created for internal use within Ministry of Education Data Collection and Decision Support Solution Branch. Allows safety coordinators to change employee's status as checked-in, sort by status, and display emergency contact information.