Abdullah **Basulaib**

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Education

York University — Lassonde School of Engineering   *Toronto, ON*

Honours Bachelor of Science in Computer Science   *Sept 2017 — Apr 2020*

Databases, Data Mining, Big Data Systems, Software Design, Algorithm Design and Analysis, Operating Systems, Data Structures, Object-Oriented Programming

Skills

DevOps	Git, Unix, Docker, AWS
Frameworks	Flask
Programming	Python, Java, C, HTML, CSS, Javascript, SQL, Bash

Projects

Tekken 7 Data Index   */TekkenProject*

Flask, Javascript, MySQL

- Online hub for all the information in the fighting game Tekken 7
- Present data (characters, input, frames, etc) in a friendly easy-to-read form, even to unfamiliar users by using button visuals and simplified inputs
- Provide users a customizable input notes list of their favourite characters, combos, matchups and maps
- Quick & easy search and comparison between characters, their inputs, matchups and counters

LoL Virtual Sandbox   */LoLSandbox*

Flask, Javascript, MySQL

- Online sandbox for items, runes, stats, champions to experiment with, combine different things and more
- Uses Riot Games API to pull data for users & in-game information to accurately present up-to-date information
- Compare and contrast best-in-situation items and runes very quickly to provide an advantage
- Recommends the user the most popular builds and runes, and can export them as item sets in JSON format

Soccer Twitter Sentiment Analyzer   */SoccerTwitter-Sentiment*

Python, Pandas, Numpy, Twitter API

- Analyzes fan sentiment on Twitter for soccer teams during games to predict fan cheering moments, highlight moments, favorite players and controversial moments
- **Lead** and **designed** data flow and data format throughout the project to help the team work smoothly
- **Handled** real-time data streaming from Twitter API using Python with additional data cleaning to store as CSV sheets
- **Collected** data samples while watching soccer games to confirm the accuracy of the predictions
- **Identified** the limitations of the Twitter real-time API and communicated with the team to suggest solutions
- **Predicted** the sentiment of 50% of the games based on season history, rivalry and performance

ANTLR4 Compiler   */ANTLR4Compiler*

ANTLR4, Java, MIT Alloy Analyzer

- ANTLR4-based compiler that compiles user-defined regular language to predicate logic that Alloy uses to prove correctness
- **Lead** team & communication by proposing plans, managing deadlines, assigning tasks and ensuring team members are motivated and comfortable
- **Lead** language design by proposing a simple and efficient regular language to simplify user interaction and processing work

Scholarship

King Abdullah Scholarship Program   *Sept 2013 — Apr 2020*

Saudi Arabian Cultural Bureau

Activities

Open Doors Toronto   *Toronto, ON*

Volunteer   *May 2019*

- Lead tours in the Bergeron Centre for Engineering Excellence during Open Doors Toronto public event.

University of Toronto — University College Frosh   *Toronto, ON*

Frosh Leader   *Sept 2016*

- Organized frosh and helped first year students settle.