

Abdullah Basulaib

Toronto, ON

☎ (+1) 416-887-4294 | ✉ basulaiba@gmail.com | 🌐 basulaib | 📺 basulaiba

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

Frameworks Flask

Programming Python, Java, C, HTML, CSS, Javascript, SQL, Bash

Languages English, Arabic

Projects

Tekken 7 Data Index

🔗/TekkenProject

Flask, Javascript, MySQL

- Present data (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

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
- Designed test cases and inputs using Java to verify the output and detect any bugs or errors in the compiler

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.