Edd **Feng**

SOFTWARE DEVELOPER

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Education

University of British Columbia   *Vancouver, Canada*

B.A. IN ECONOMICS   *June 2016*

- Additional courses focusing on math, programming, data structures and algorithms.

Technical Skills

Languages: TypeScript, C#\.NET, JavaScript, Java, Python, HTML\CSS, XML, JSON, SQL

Frameworks / Environment: Linux, Docker, Git, CLI, Node.JS, React, React-Native, Angular, SQL, REST

Projects

Personal Website   *https://fengedd.github.io/personal-website*

TYPESCRIPT & ANGULAR   *2019*

- Personal website built using the Angular framework with TypeScript, Bootstrap, Angular, Node.JS, HTML/CSS

Dota 2 Toxic Web API   *github.com/fengedd/api*

JAVASCRIPT   *2019*

- Backend web API built with JavaScript, NodeJS, Express, Docker, Redis, PostgreSQL that takes a player ID and processes information about player's account history.

Reddit Comment Scraper   *github.com/fengedd/Reddit-Comment-Scraper*

JAVA   *2018*

- Web scraper that scrapes the comment sections of reddit asynchronously and outputs user comments to a text file.
- Thread pool assigns asynchronous web crawlers that add URLs to a task queue and add comment data to results. Program is terminated with an asynchronous method invocation to a thread pool closer task.

Markov Chain Sentence Generator   *github.com/fengedd/markov-sentence-generator*

JAVA   *2018*

- Program takes a corpus of text and generates sentences based on statistical inference of the corpus.
- Sentences are generated using Markov Chain and Bigrams as a language model. The Markov Chain is modeled with a Red-Black tree and an adjacency list graph.

Scrabble Solver   *github.com/fengedd/scrabblesolver*

JAVA   *2018*

- Program takes scrabble tiles as inputs and outputs the valid permutations of the tiles and their respective scores.
- Creates a lookup table from a dictionary by grouping all word entries by their sorted lexicographic order.

SpeedRun React-Native Timer App   *github.com/fengedd/irl-speedrun*

TYPESCRIPT & REACT-NATIVE   *2018*

- Created a timer app to track time spent on each task in a given session. Made with flux and container/component pattern with Material Design system.

UBC Courses Database   *<private>*

TYPESCRIPT   *2017*

- Created a back-end database for UBC courses which parses a dataset of courses and allows for querying on the courses.

Misc. Skills

Skills: Object-Oriented design, Design Patterns, Oral Presentation, Writing, Fluency in Chinese

Activities: Reading, Weightlifting