Mohammad Solaiman Jawad

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Skills

· Skilled in Javascript, C++, C, Scheme, Python, R, SQL, Golang, Django, Bash, Git, Keras and Tensorflow
· Interested in backend development, web development, deep learning, infrastructure, systems design

Work Experience

The Co-Operators — Jan – Apr '19
Innovation Developer (Web Development) — *Waterloo, ON*
· Built a cross-platform chatbot using node.js that collects data for an insurance quote generation program
· Designed the program to decrease average quote generation time for advisors using the chatbot by 81%
· Created another cross-platform chatbot to help advisers hire and get information on potential employees
· Enabled the chatbot to sort questions in a complex question tree by relevance, search for particular questions and deliver articles, text and smart image searches whenever prompted
· Created HTTP pipelines to implement bug trackers for several projects and connect them to Jira

BRAC University — Jun – Jul '16
Analyst Intern — *Dhaka, BD*
· Evaluated results of analysis based on the response of quizzes, questionnaires, and student profiles
· Updated decision tree classifiers for a prediction model of academic success of currently enrolled students

Projects

Axys — *git.io/vpGt1*
· Developed a web platform built to help developers connect with designers to collaborate on projects
· Won "Best Use of Amazon Web Services" award at Starterhacks 2018

restTorrent — *git.io/fjsVG*
· Built a rest API that uses bencode URLs to track peers according to seed ratio and download files
· Used UDP protocol instead of traditional TCP to enable faster speeds with stable connections

bigRSA — *git.io/vNO7D*
· Designed a program that uses the RSA cryptosystem to generate keys to encrypt and decrypt messages
· Optimised the program to quickly generate and use 600 bit numbers for encryption

ANN-Bank — *git.io/fAzBD*
· Constructed a neural network that can predict, with a 86% testing set accuracy, which customers would leave a particular bank, given a dataset of their recent transaction history

Other notable projects: **fzySpellcheck**, **Biquadris**, **CNNandDogs**, **sentimentAnalysis**, **neuralNet**

Education

University of Waterloo — Sept '17 – Sept '22 *(expected)*
Bachelors of Mathematics, Honours
· Joint Major in Computational Mathematics and Statistics
· Relevant Courses: Object Oriented Programming, Functional Programming, Algorithm Design and Data Abstraction, Data Types and Structures, Logic and Computation
· Recipient of the President's Scholarship (95th percentile admission average)