

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 and help download files according to seed ratio
- 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)