

MOHAMMAD SOLAIMAN JAWAD

msjawad@uwaterloo.ca — in/solaiman-jawad — github.com/MSJawad

SKILLS

- Skilled in Javascript, C++, C, Scheme, Python, R, SQL, Golang, Django, Bash, Git, Keras and Tensorflow
- Interested in Back-end 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 nodeJS that collected data for an insurance quote generation program
- Designed the program to increase average quote generation efficiency for advisors using the chatbot by ~450%
- Created another smart, cross-platform chatbot to help advisers hire and get information on potential employees
- The chatbot was developed with NodeJS(backend) and React.js(front-end) and was able to sort questions in a complex question tree by relevance, 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/vpGtI

- A web platform built to help developers connect with designers to collaborate on projects and share their work
- Won "best use of Amazon Web Services" award at Starterhacks 2018

restTorrent

git.io/fjsVG

- A rest API that uses bencode URLs to help download files, similar to how torrent files are downloaded.
- Uses UDP instead of traditional TCP to enable faster speeds with stable connections

bigRSA

git.io/vNO7D

- A program that implements the RSA cryptosystem to generate keys to encrypt and decrypt messages.
- Program is optimised to quickly generate and use 600 bit numbers for encryption

ANN-Bank

git.io/fAzBD

- 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)