SOLAIMAN JAWAD

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

SKILLS

· Proficient in C, C++, Javascript (Node/Typescript), Python, Go, Lisp, Terraform, SQL
· Interested in machine learning, backend, full stack, distributed systems, infrastructure

WORK EXPERIENCE

PointClickCare   *Jan – Apr '21*
Software Engineering Intern (Core Front-end)   Mississauga, ON (Remote)
· Developed multiple reusable components for the company-wide library of front end applications
· Improved unit test coverage of UI components used by microservices in core by 53% using Jest and RTL
· Worked cross-team to develop various landing pages for order creation in the pharmacy work-space

Electro Source Inc   *Jun – Aug '20*
Software Developer (Application Development)   Mississauga, ON (Remote)
· Built a R&D tax credit tracking program that tracks development lifecycles using isolated email digests
· Created APIs to push user updates and connect with ALM platforms to create, update and track issues
· Connected Dialogflow agents to allow for email content extraction, greatly improving issue tracking

Intelerad Medical Systems   *Sept – Dec '19*
Software Developer (Machine Learning)   Toronto, ON
· Automated the chest X-ray hanging protocol by developing neural networks to classify viewing angles
· Implemented a variation of YoloV3 for object detection of vertebrae in the spinal column
· Improved data collection throughput by 45% by utilizing better parsing algorithms in analysis tools

The Co-operators   *Jan – Apr '19*
Software Developer (Web Application Development)   Kitchener, ON
· Designed a quote generating chatbot that enacts dialogue and concurrently parses data from documents
· Integrated search and continue functionalities in the documentation and question tree of a hiring program

BRAC University   *Jun – Jul '16*
Data Analyst Intern   Dhaka, BD
· Updated decision tree classifiers for a prediction model of academic success of currently enrolled students

PROJECTS

mapreduce   *git.io/JU4i0k*
· Developing a program that emulates MapReduce, running plugin-based functions in parallel

pathfinder   *git.io/JvUHk*
· Built a program that generates mazes and displays the performance of different pathfinding algorithmns

bigRSA   *git.io/vNO7D*
· Designed a program that uses the RSA cryptosystem to generate keys to encrypt and decrypt messages

Other notable projects: **restTorrent**, **fzySearch**, **ANeuralNet**, **go-workerpool** and more on **Github**

EDUCATION

University of Waterloo   Sept '17 – Sept '22 *(expected)*
Bachelors of Mathematics, Honours