SOLAIMAN JAWAD

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SKILLS

- Proficient in Python, JavaScript (TypeScript, React), Node, Go, C, C++, Lisp, Terraform, SQL
- Experienced with backend, full stack, machine learning, infrastructure

WORK EXPERIENCE

Alida   *Toronto, ON*
Software Engineering Intern (Touchpoint Microsurveys)   Jan – Apr '22

- Enhanced admin flexibility by developing functionality to modify and republish surveys in editor
- Built a survey page template in React to add sections dynamically, pushing user engagement up **6%**
- Expanded custom targeting by including customer attributes to selectively choose customers to survey

Software Engineering Intern (Touchpoint Microsurveys)   Sept – Dec '21

- Improved web SDK spin up latency across product and enabled reporting to be split across pages to track engagement better by introducing multiple path matching and memoized rendering
- Created support for variable progress states in branching logic, allowing survey progress to be dynamic
- Revamped team deployment processes by adopting a bot in Slack for updating test environments

PointClickCare   *Mississauga, ON*
Software Engineering Intern (Order Creation)   Jan – Apr '21

- Implemented multiple components in the core workspace from concept designs through completion
- Worked cross-team to develop various landing pages for order creation using React and Typescript

Electro Source Inc   *Etobicoke, ON*
Software Developer (SR&ED Credit Tracker)   Jun – Aug '20

- Built a work management program that tracks development lifecycles using isolated email digests
- Designed APIs using Zeep to push updates and bridge ALM platforms to create and track tickets
- Saved **$12,000+** annually by writing Terraform and MySQL scripts to manage infrastructure site-wide

Intelerad Medical Systems   *Toronto, ON*
Software Developer (Machine Learning)   Sept – Dec '19

- Automated the chest X-ray hanging protocol by building neural networks to classify viewing angles
- Created a residual variation of YoloV3 for object detection of vertebra in the spinal column
- Improved data collection throughput by **45%** in analysis tools using Fourier transforms and OpenCV

The Co-operators   *Kitchener, ON*
Software Developer (Innovation Lab)   Jan – Apr '19

- Designed a chatbot in Node.js to autofill insurance forms used to onboard users saving **$7000** annually

PROJECTS

pathfinder   *git.io/JvUHk*

- Interface that generates seeded mazes and measures performance of different pathfinding algorithms

mapreduce   *git.io/JU4i0k*

- CLI tool that emulates MapReduce, running plugin-based Go functions in parallel

Other notable projects: **bigRSA**, **restTorrent**, **fzySearch**

EDUCATION

University of Waterloo   Sept '17 – Sept '22
Honours Bachelor of Computational Mathematics, Computing Technology Option