

# SOLAIMAN JAWAD

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## SUMMARY

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

## WORK EXPERIENCE

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

- Enhanced admin flexibility by developing functionality to edit and republish surveys in editor
- Built a flexible page template to add survey objects 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
- Added support for variable progress states in branching logic, allowing survey progress to be dynamic
- Updated 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 in the pharmacy work-space

**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
- Created APIs to push user updates and bridge ALM platforms to create, update and track issues

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

- Automated the chest X-ray hanging protocol by developing neural networks to classify viewing angles
- Implemented a variation of YoloV3 for object detection of vertebra in the spinal column
- Improved data collection throughput by **45%** utilizing fast Fourier transforms in image analysis tools

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

- Designed a chatbot to auto-complete insurance forms used to onboard users saving **\$7000+** annually

## PROJECTS

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**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

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