

James (Alex) Whitman

+1 (902) 817-6735
jwhitma2@uwo.ca

Full-Stack & Machine Learning Engineer

Halifax, NS
Open to remote/relocation

I'm a 22 year old recent graduate looking to collaborate on impactful projects to further develop my expertise in frontend, backend, machine learning, and database engineering, while also improving my communication skills and embracing lifelong learning.

EDUCATION & CERTIFICATIONS

Professional Machine Learning Engineer <i>Google Cloud Platform</i>	January 2023 <i>Online Certification Exam</i>
Bachelor of Science - Major in Computer Science, Minor in Medical Sciences <i>Western University</i>	2018 — December 2022 <i>London, ON</i>
Associate Cloud Engineer <i>Google Cloud Platform</i>	November 2022 <i>Online Certification Exam</i>
International Baccalaureate Diploma Programme <i>Halifax Grammar School</i>	2016 — 2018 <i>Halifax, NS</i>

SOFT SKILLS

Communication	Presentations, Project Leadership, Conflict Resolution, Monitoring, Reports, Typing Speed: 115+ wpm
Project Planning	UML Diagrams, Jira, GitHub Projects, Agile & Critical Path Methodology
Media Creation	Powerpoint, Word, \LaTeX , Markdown, Photoshop, Premiere Pro, Remotion, Vercel OG, Matplotlib

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, C++, C, Java, PHP, R, SQL, HTML/CSS, Shell Scripts
Frontend	React, React Native, Next.js, Quasar (Vue.js), Animations, ISR, WebGL, Qt, SEO, ARIA, PWAs
Backend	REST, GraphQL, RPC, Express.js, Django, Socket.IO, Docker, Kubernetes, Load-Balancing, Pub/Sub
Databases	Relational, NoSQL, Distributed, Graph, & Memory-Cached DBs; Transactions, CAP Theorem
DevOps/MLOps	GitHub Actions, Terraform, Cloud Build, Test-Driven Development, Turborepo, TFX, Kubeflow
Data Science	TensorFlow, NumPy, Pandas, SciPy, XGBoost, PyTorch, BigQuery, Dataflow, Excel

WORK EXPERIENCE

Full-Stack Web Developer <i>Praxes Medical Group</i>	Summer 2021 <i>Halifax, NS</i>
<ul style="list-style-type: none">Maintained and updated their serverless COVID testing software for public rapid testing sites and B2B employer-led testing; facilitated the reporting of 300,000+ test results to patients, as well as aggregate statistic reports to stakeholders.Designed and implemented a web app, database, and serverless backend for volunteer registration and cancellation.Helped redesign their data models to accommodate recording tests for different diseases, with different testing apparatus, and at higher testing volumes.	
Assistant to the Support Engineers <i>SolutionInc</i>	Summer 2019 <i>Halifax, NS</i>
<ul style="list-style-type: none">Assembled single-board computers, automated software staging, and performed quality assurance testing, in order to allow secure media casting from user devices in some of the world's leading hotels.Staged wireless access points for various hotels, campgrounds, convention centers, etc., to run network gateway software.Applied testing and troubleshooting skills to resolve connectivity issues for clients and provide exceptional customer service.	
Technology & Service Coordinator <i>Race Auto Group (Family Business)</i>	2017, 2018, 2020, 2022 <i>Halifax, NS</i>
<ul style="list-style-type: none">Designed and implemented a rental car booking system for the dealership in 2 weeks to capitalize on a local rental car shortage.Responsible for keeping the company website and integrated inventory system up to date.Managed the service desk by creating work orders, ordering parts, resolving customer issues and allocating mechanic time.	

ACTIVITIES & VOLUNTEERING

COVID Rapid Testing Pop-up Sites — Swabber	2021
Math Tutoring	2016 — 2020
Habitat for Humanity — Built latrines and stoves in rural Guatemalan communities	2017
QE2 Hospital — Dialysis Unit Friendly Visitor	2017
CISV Peace Bus — Cross-Canada volunteering and tourism road-trip	2016