

James (Alex) Whitman

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Full-Stack Software Engineer

Halifax, NS
Open to remote/relocation

I'm a recent graduate with the expertise to rapidly develop full-stack applications, databases, and machine learning models, while also possessing the social skills to collaborate with a team and determine complex requirements with non-technical stakeholders.

EDUCATION & CERTIFICATIONS

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

SOFT SKILLS

Communication	Presentations, Public Speaking, Teamwork, Kindness, Conflict Resolution, Typing Speed: 115+ wpm
Project Planning	UML Diagrams, Jira, GitHub Projects, Time Management, Agile & Critical Path Methodology, User Stories

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, C++, C, Java, PHP, R, SQL, HTML/CSS, Shell Scripts
Frontend	React/Next.js, React Native, React Native Web, Storybook.js, Animations, CMS, ISR, SSR, OpenGL, ARIA, SEO
Backend	REST, GraphQL, & tRPC APIs; Load-Balancing, Networking, Threading, Nginx, Pub/Sub, Encryption
Databases	Relational, NoSQL, Distributed, Graph, & Key-Value Memory-Cached DBs; Consistency, Availability
DevOps	Docker, Kubernetes, Turborepo, GitHub Actions, Terraform, Cloud Build, Test-Driven Development, Cypress
Data Analysis	NumPy, Pandas, SciPy, BigQuery, Dataflow, Dataproc, Regressions, Statistical Analyses, PCA, Excel
Media Creation	Photoshop, Premiere Pro, Matplotlib, Seaborn, Looker Studio, \LaTeX , Markdown, Remotion, Vercel OG
Machine Learning	TensorFlow, scikit-learn, CNNs, RNNs, GANs, Transformers, NLP, Computer Vision, Clustering, TFX/Kubeflow

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.Redesigned their database scheme to allow more performant result querying and storage of additional information about tests.Designed and implemented a database, serverless backend, and Vue.js web app for volunteer registration and cancellation.	
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</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

Math Tutoring	2016 — 2023
COVID Rapid Testing Pop-up Sites — Swabber	2021
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