

# Alex Nham

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## EDUCATION

<b>The University Of Western Ontario</b> <i>B.Sc. in Computer Science, Minor in Software Engineering (GPA 3.85)</i>	London, ON <i>Expected Graduation</i>
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## EXPERIENCE

<b>Software Engineer Intern</b> <i>Celestica</i>	May 2025 – Sept 2026 <i>Toronto, ON</i>
<ul style="list-style-type: none"><li>Developed a multithreaded monitoring service overseeing 10+ distributed applications, improving system reliability and reducing downtime through proactive alerting and diagnostics</li><li>Led the migration of legacy Oracle SQL databases to Microsoft SQL Server, redesigning schemas and optimizing complex queries to improve performance, ensure data integrity, and enhance compatibility with .NET applications</li><li>Monitored and maintained distributed applications and infrastructure, diagnosing and resolving system issues to ensure continuous service availability.</li><li>Designed, enhanced, and maintained full-stack .NET applications (on-premise and cloud-based) to ensure high scalability, security, and performance.</li><li>Refactored and optimized Excel macros, automating manual workflows and increasing team productivity by 40%.</li><li>Deployed and managed Azure resources, implementing CI/CD pipelines with Azure DevOps to streamline cloud deployments and improve delivery efficiency.</li><li>Developed Python and PowerShell scripts to automate workflow processes, achieving over 50% faster execution and reducing manual errors.</li></ul>	
<b>Software Engineer Intern</b> <i>AQX AI</i>	April 2024 - Sept 2024 <i>New York City, NY</i>
<ul style="list-style-type: none"><li>Developed and optimized a Node.js server for real-time communication with an AI agent, reducing latency by 90%</li><li>Integrated speech-to-text and text-to-speech solutions, enhancing system efficiency and user interaction</li><li>Designed a React front-end interface for initiating outbound calls with the AI Agent API</li><li>Containerized server and databases with Docker, streamlining deployment on Azure cloud services</li></ul>	
<b>Website Coordinator</b> <i>Talbot Promotions</i>	August 2023 - April 2024 <i>London, ON</i>
<ul style="list-style-type: none"><li>Developed and maintained custom client merchandise stores, ensuring responsive and user friendly designs to enhance user experience and drive online sales.</li><li>Designed custom automation scripts in Python with API calls, improving workflow processes by over 70%</li><li>Managed and organized large datasets with Microsoft Excel, enabling faster uploads and timely project completion</li><li>Utilized JSON to manage and edit custom features, enhancing project flexibility and alignment with specifications</li></ul>	

## PROJECTS

<b>Adrenal Nhamogram</b>   <i>Flutter, React.js, Python</i>	2024
<ul style="list-style-type: none"><li>Co-developed a validated scoring system for adrenal incidentalomas, presented at the AUA Annual Meeting 2024, enhancing diagnostic accuracy and clinical decision-making.</li><li>Built a cross-platform mobile app in Flutter (iOS/Android) and a responsive web app with React.js, enabling healthcare professionals to access the scoring tool seamlessly across devices.</li><li>Collaborated with clinicians and researchers to ensure the system's accuracy, usability, and alignment with real-world medical workflows.</li></ul>	

## TECHNICAL SKILLS

**Languages:** Java, Python, C, C++, C#, JavaScript, TypeScript, SQL, Bash, Rust  
**Frameworks & Libraries:** React.js, Node.js, Express.js, Flask, Django, .NET, React Native, Flutter, Tailwind CSS  
**Databases:** MySQL, MongoDB, PostgreSQL, Microsoft SQL Server  
**Cloud & DevOps:** Azure, Docker, GitHub Actions, CI/CD Pipelines, RESTful APIs, Postman, Nginx  
**Tools & Platforms:** Git, Visual Studio Code, Postman, Figma, Jira, Unix/Linux, Microsoft Office Suite  
**Additional Skills:** Agile Methodologies, System Administration, Troubleshooting, Automation Scripting, Team Collaboration, Problem Solving, Strategic Thinking