

# Huy Pham

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## EDUCATION

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| <b>McMaster University</b><br>Bachelor of Technology in Software Engineering Technology<br><b>Relevant coursework:</b> Next.js, React, Python, Flask, PowerShell, SQL, and AWS | <b>Hamilton, CA</b><br>Sept 2023 - Dec 2025 |
| <b>Seneca Polytechnic</b><br>Advanced Diploma in Computer Engineering Technology   | <b>Toronto, CA</b><br>Sept 2017 - Apr 2020  |
| <b>Seneca Polytechnic</b><br>Diploma in Electronics Engineering Technician   | <b>Toronto, CA</b><br>Sept 2017 - Sept 2020 |

## PROFESSIONAL WORK EXPERIENCE

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| <b>S&amp;C Electric Company</b><br>Junior System Administrator (Co-op) <ul style="list-style-type: none"><li>Administer user accounts, permission, security groups using Active Directory, Microsoft Intune, and Azure AD.</li><li>Manage Microsoft 365 services through Exchange Admin Center, Teams Admin Center, and SharePoint Admin Center for mailbox provisioning, license assignments, and collaboration policies.</li><li>Automate application package deployment using PowerShell scripting to Microsoft Intune for seamless distribution through the Company Portal.</li><li>Monitor and manage virtual machines and hosts using VMware vCenter, including resource allocation, VM provisioning, and snapshot management.</li></ul> | <b>Toronto, CA</b><br>May 2025 – Present   |
| <b>S&amp;C Electric Company</b><br>Desktop Support Analyst (Co-op) <ul style="list-style-type: none"><li>Delivered Tier 2 technical support resolving incidents related to Windows OS, Office 365, Exchange, VPN, and enterprise applications through ServiceNow, achieving 90% incident resolution efficiency.</li><li>Administered user accounts and group access via Active Directory and Microsoft Intune, supporting onboarding /offboarding and ensuring compliance with organizational IT policies.</li><li>Worked with the Networking team to troubleshoot connectivity issues, configure DHCP/DNS settings, and ensure seamless integration of cloud-managed devices.</li></ul>   | <b>Toronto, CA</b><br>Sept 2024 – Apr 2025 |

## CERTIFICATION AND TRAINING

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|---|---------------------------------------|
| <b>COMPTIA Network+</b><br>TCP/IP, VPN, VoIP, Firewall, Routing and Switching, Cloud Networking   | <b>CompTIA</b><br>Nov 2024 – Nov 2027 |
| <b>COMPTIA A+</b><br>Computer Repair, Windows Client and Server OS, Technical Support   | <b>CompTIA</b><br>Jul 2023 – Jul 2026 |
| <b>CS50's Introduction to Computer Science</b><br>Computer Science, C++, Python, MySQL, API, JS, Database, Git, GitHub, SVN, Deployment | <b>Harvard University</b><br>Dec 2023 |

## PROJECT & VOLUNTEER EXPERIENCE

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| <b>IT Ticketing System (Next.js + JSON REST API)</b><br>Tech Stack: Next.js, React, REST API, Node.js, JSON Server <ul style="list-style-type: none"><li>Built a ticket management system for IT teams to track issues, status updates, and escalations.</li><li>Implemented routing with server-side rendering and a responsive UI for internal enterprise use.</li><li>Used local database emulation for data persistence and implemented user roles for admin and technician views.</li></ul>                  | <b>Toronto, CA</b><br>March 2025 – Apr 2025 |
| <b>Vehicle Detection with Computer Vision</b><br>Tech Stack: Google Colab   Python, OpenCV, PyTorch, Matplotlib <ul style="list-style-type: none"><li>Developed a vehicle detection pipeline using OpenCV and PyTorch to identify and classify vehicles in image datasets</li><li>Leveraged Torch for GPU-accelerated operations and model inference (if applicable in later cells).</li><li>Visualized detection results using Matplotlib, enabling interactive and interpretable output for analysis.</li></ul> | <b>Toronto, CA</b><br>May 2024 – Aug 2024   |
| <b>Tic Tac Toe Web Game</b><br>Tech Stack: React, JavaScript, CSS <ul style="list-style-type: none"><li>Designed an interactive Tic Tac Toe game using React for component-based architecture and state management.</li><li>Implemented game logic for win/draw detection, turn switching, and reset functionality using clean JavaScript functions.</li></ul>  | <b>Toronto, CA</b><br>March 2024 – May 2024 |
| <b>Stock Market Tracker Web App</b><br>Tech Stack: Python, Flask, MySQL, JavaScript, HTML/CSS <ul style="list-style-type: none"><li>Created a client-server financial dashboard that pulls real-time market data and visualizes user holdings.</li><li>Handled authentication, database encryption, and deployment using AWS EC2 and RDS.</li><li>Emphasized secure design, modular code structure, and RESTful principles.</li></ul>   | <b>Toronto, CA</b><br>Jan 2024 – Feb 2024   |