Michael Thompson

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EDUCATION

Mohawk College | Computer Systems Technician - Software Support 2 Year College Diploma Sept. 2022 - July 2026

Relevant courses: Programming Fundamentals, Software Quality Testing, Data Structures and Algorithms, Server & Client-side Web Programming, Database Theory, Cloud Computing Basics, AI & Machine Learning.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, C#, PHP, SQL, HTML & CSS
Frameworks/Libraries: Bootstrap, jQuery, Ajax, REST API, Pandas, NumPy
Development Tools: Visual Studio Code, IntelliJ, PyCharm CE, Visual Studio
Tools: Git, GitHub, UML, Selenium, JUnit5, Microsoft Office Suite
Familiar with Agile methodologies & DevSecOps tools.

WORK EXPERIENCE

[24]7.ai | Software Developer Intern Toronto, ON May 2024 - Jan 2025
- Worked across multiple internal repositories (backend and frontend) to implement bug fixes and small feature updates in an Agile ticket-driven workflow.
- Debugged and resolved UI/behavior issues in React/Redux applications and Java services (Tomcat/Spring-style stacks), reproducing issues, isolating root causes, and validating fixes.
- Set up and maintained local dev environments (Gradle versions, Tomcat configuration, Postgres), documenting steps and troubleshooting build/runtime errors to keep development unblocked.
- Improved code reliability by writing/adjusting tests and performing careful regression checks in both document/response modes and edge-case scenarios.
- Collaborated with teammates through pull requests, code reviews, and clear technical updates, ensuring changes were traceable and aligned with requirements.

PROJECTS

CogniBot: The Adaptive AI Conversationalist - Python
- Created an AI chatbot in Python, applying natural language processing (NLP) and machine learning techniques to enable dynamic interactions with users.
- Implemented a learning mechanism for the chatbot, allowing it to improve responses based on user interactions, highlighting adaptability and problem-solving skills.
- Developed expertise in Python coding, data management, and AI principles, enhancing proficiency in NLP and machine learning through hands-on project work.