David Hu

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EDUCATION

University of Toronto   Toronto, ON
Honours Bachelor of Science in Computer Science, Minor in Mathematics   *Sept. 2021 – May 2025*

EXPERIENCE

Work-Integrated Learning   July 2023 – Aug. 2023
M2M Tech   *Remote*
- Participated in work-integrated learning with a focus on artificial intelligence and machine learning
- Implemented various graph search algorithms using Python
- Gained practical experience in advanced AI and machine learning techniques
- Developed proficiency in Python for complex algorithmic solutions

Computer Camp Instructor   July 2022 – Aug. 2022
Three-Flavors Kids' Club   *Markham, ON*
- Led educational summer camp programs focused on Python programming
- Guided individuals and groups in Scratch game development projects
- Fostered a learning environment for programming and game design skills
- Implemented engaging and interactive educational strategies for camp attendees

Telephone Interviewer   May 2022 – Sept. 2022
York University   *Toronto, ON*
- Responsible for collecting and compiling information for various research projects
- Utilized strong communication skills to facilitate data gathering and analysis
- Ensured accurate and efficient information collection aligned with project objectives
- Demonstrated ability to communicate effectively in a research-driven environment

PROJECTS

Shopify Chatbot | *Python, IBM Cloud, IBM Code Engine*   Dec. 2023
- Developed a Shopify-integrated chatbot for enhanced customer service and order tracking
- Utilized Python and webhooks for chatbot functionality
- Hosted on IBM Cloud, IBM Code Engine, and IBM Watson for reliable and scalable service
- Enabled real-time order tracking and customer support through the chatbot

Financial Management Receipt Scanner | *Swift, Swift UI, Vision Framework*   Dec. 2023
- Developed a receipt scanning and organization app using Swift and SwiftUI
- Integrated the Vision framework to enable users to scan receipts and extract relevant information
- Designed features for efficient organization and management of scanned data

StockThePast | *Java, JavaFX, Git*   Nov. 2022 – Dec. 2022
- Developed an application simulating and teaching stock market trading
- Utilized Java and JavaFX for application development
- Employed Git for effective version control
- Adopted agile methodologies for efficient project management
- Applied various design patterns to enhance application functionality

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, JavaScript, HTML/CSS, Bash, Assembly, Swift
Frameworks: JavaFX, JUnit, Swift UI, Vision Framework, Pygame
Developer Tools: Git, IBM Cloud, VS Code, PyCharm, IntelliJ
Libraries: pandas, NumPy