# David Hu

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## EDUCATION

**University of Toronto** — Toronto, ON
*Honours Bachelor of Science in Computer Science, Minor in Mathematics* — *Sept. 2021 – April 2025*
- Enrolled in PEY Co-op Program

## 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, REST APIs, IBM Cloud, IBM Code Engine* — Dec. 2023
- Developed a Shopify-integrated chatbot for enhanced customer service and order tracking
- Utilized Python and REST APIs for chatbot functionality
- Hosted on IBM Cloud, IBM Code Engine, and IBM Watson for reliable and scalable service
- Catering to a user base of nearly 100 unique monthly users

**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, PostgreSQL, VS Code, PyCharm, IntelliJ
**Libraries**: pandas, NumPy