

# David Hu

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🌐 itsdavidhu.github.io/Portfolio-Website/

## EDUCATION

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### University of Toronto

*Honours Bachelor of Science in Computer Science, Minor in Mathematics*

- Enrolled in PEY Co-op Program

Toronto, ON

*Sept. 2021 – April 2025*

## EXPERIENCE

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### Artificial Intelligence / Machine Learning Researcher

Jan. 2023 – Present

*M2M Tech*

*Remote*

- Conduct background research on existing products, services, domains, and datasets
- Conduct research into the latest AI and ML techniques and how they could be applied to data
- Developing an AI / ML model which provides unique outcomes and insights into data
- Devise models and algorithms to develop scalable solutions

### Python 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

### Data Entry Specialist

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
- Ensured accurate and efficient information collection aligned with project objectives
- Demonstrated ability to communicate effectively in a research-driven environment

## PROJECTS

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### 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

### Portfolio Website | React, JavaScript, HTML/CSS

Dec. 2023

- Developed a portfolio website using React, JavaScript, and HTML/CSS
- Implemented an intuitive and visually appealing design
- Optimized the website for various screen sizes and devices
- Deployed using GitHub and GitHub Pages

### StockThePast | Java, JavaFX, Git, Agile Methodologies

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

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**Languages:** Python, Java, C, SQL, JavaScript, HTML/CSS, Bash, Assembly, Swift

**Frameworks:** React, JavaFX, JUnit, pytest, Swift UI, Pygame

**Developer Tools:** Git, IBM Cloud, Linux, PostgreSQL, VS Code, PyCharm, IntelliJ

**Libraries:** pandas, NumPy, Matplotlib, scikit-learn