

David Hu

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🌐 itsdavidhu.github.io/Portfolio-Website/

EDUCATION

University of Toronto

Toronto, ON

Honours Bachelor of Science: Computer Science Specialist, Mathematics Minor

Sept. 2021 – April 2025

Relevant Courses: Software Design, Algorithms Design and Analysis, Intro to Machine Learning, Intro to Databases, Intro to Artificial Intelligence, Software Tools and Systems Programming

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, JavaScript, HTML/CSS, Bash, Assembly, Swift
Frameworks: React, TensorFlow, JavaFX, JUnit, pytest, Swift UI, Pygame
Developer Tools: Git, Microsoft Azure, IBM Cloud, Linux, PostgreSQL, VS Code, PyCharm, IntelliJ
Libraries: pandas, NumPy, Matplotlib, scikit-learn

EXPERIENCE

Machine Learning Researcher

Jan. 2024 – Present

M2M Tech

Remote

- Developed a machine learning classification model for diabetes prediction using Microsoft Azure
- Curated and preprocessed a dataset with 10,000 entries
- Trained and hypertuned the model to have a 20% increase in accuracy

Python Instructor

July 2022 – Aug. 2022

Three-Flavors Kids' Club

Markham, ON

- Led educational summer camp programs focused on Python programming
- 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
- 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

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