

Weiyuan (Owen) Hua

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EDUCATION

University of Toronto Scarborough

Honours Bachelor of Science (Co-op), Computer Science

- Specialization: Comprehensive Stream
- Awards: Entrance Scholarship (\$12,000)

Scarborough, ON

2023 – Present

TECHNICAL SKILLS

Languages: Python, C#, Java, C, JavaScript, HTML/CSS

Frameworks/Libraries: .NET, Pandas, NumPy, Selenium, PyAutoGUI

Databases: MySQL, MS SQL, SQLite, MongoDB

Certifications: IBM Generative AI Engineering (2025), Google Cloud ML Engineer (2022)

EXPERIENCE

Giesecke+Devrient

Intern Software Developer

May 2025 – Aug 2025

Markham, ON

- Spearheaded the migration of 15+ legacy projects to the latest .NET framework, modernizing systems aged over 20 years.
- Engineered a C# automation tool to generate reports from raw data, significantly reducing manual administrative overhead.
- Authored comprehensive technical documentation and executed rigorous testing suites to ensure long-term system stability.

Sylogix

Intern Software Developer

Jan 2023 – Mar 2023

Markham, ON

- Developed a responsive data visualization platform using HTML/CSS/JS to display 10 years of water quality metrics.
- Implemented backend data processing pipelines using Python (Pandas/NumPy) to clean and structure complex datasets.
- Collaborated with cross-functional teams to translate client requirements into technical specifications.

MicroHeadline

Intern Web Programmer

July 2022 – Aug 2022

Scarborough, ON

- Built a Python web scraper to automate data retrieval, increasing team efficiency by 120% over manual entry.
- Automated content management and upload workflows using Selenium and PyAutoGUI scripts.

PROJECTS

Open Source Software Suite | Python, C#, Mobile

- Designed and released 7 open-source applications, with one successfully published to the App Store.
- Managed full product lifecycle from concept to deployment, focusing on user-centric design and performance.

Web3 Davinci Competition | Blockchain, Web3

2026

- Secured 1st Place in the provincial hackathon, developing a real time AI assistant under tight deadlines.

CS Club Leadership | President

Sep 2022 – Jun 2023

- Mentored students in Python and Java programming, organizing weekly workshops and debugging sessions.
- Directed club initiatives including Minecraft mod development, fostering a collaborative coding environment.