

Jiayu Hu

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jennyho5.github.io/personal-site

EDUCATION

Bachelor of Computer Science

Sep 2022-Apr 2024

Carleton University, Ottawa, ON, Canada

- Fourth-Year Standing, CGPA: 11.62/12.0 (96.83%)

Bachelor of Management in Accounting

Sep 2018-Jun 2022

Zhongnan University of Economics and Law, Wuhan, China

- Final GPA: 3.8/4.0 (89.84%)

AWARDS AND SCHOLARSHIPS

- 2022-2023 Carleton University Clarence C. Gibson Scholarship
- 2022 Discover Technata Hacks Hackathon, First-Place
- 2023 Hack the Hill Game Jam Challenge, Second-Place

TECHNICAL SKILLS

- Programming languages: Python, Java, C, C++, C#, HTML, CSS, JavaScript
- Technical tools: Unity, Node.js, React.js, Flask, SQL, MongoDB, Git, Jira, Confluence

WORK EXPERIENCE

Software Engineer Intern | TD Bank, Toronto, ON

May-Aug 2023

- Designed and developed business dashboards for the VP using **JavaScript** and **Rest API** of **Jira** and **Confluence**, enabling efficient data visualization and decision-making
- Trained and implemented **Agile** methodologies in the team, fostering an efficient work environment

Audit Intern | Ernst & Young, Shanghai, China

Jan-Feb 2021

- Finalized audit reports and financial statements of 2 companies by the end of the accounting year
- Analyzed balance sheets for two companies using Excel to determine their financial health

PROJECTS EXPERIENCE

Game Developer | Develop at Ubisoft, Toronto, ON

Nov 2023-Present

- Create and submit a Windows game made entirely in **C++** using a provided API

Game Developer | [Mouse in the House 2D Mystery Game](#)

May 2023-Present

- Utilized **Unity** to integrate all project elements, including scenes, animations, and visual assets
- Wrote clean and efficient **C#** code to implement quest, dialogue, and save/load systems

Game Developer | [Nature Calls](#), Hack the Hill Game Jam, University of Ottawa

Mar 2023

- Built a visual novel using **Python** and **Renpy** library
- Created all visual art assets, including character designs and backgrounds with Clip Studio Art

Project Developer | [co:ver letter](#), SheHacks+7 Hackathon, Western University

Jan 2023

- Built a web application using the NLG toolkit co:here API, aiming to generate cover letters based on the job description and resume within seconds
- Used front-end technologies like HTML, CSS, JavaScript and back-end technologies like Python and Flask

Project Developer | [Simple Search Engine](#), Carleton University

Sep-Dec 2022

- Designed a simple search engine with **Python** and **Java** based on the PageRank algorithm to input keywords and output the top results from the sample database
- Constructed an intuitive graphical user interface (GUI) for the application using **JavaFX**