

Torrey Liu

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TECHNICAL SKILLS

Languages: Java, Python, C++, HTML/CSS, LaTeX

Developer Tools: Visual Studio, PyCharm, IntelliJ, Eclipse

Libraries: PyGame, JUnit, React.js, Node.js, OpenAI, Discord.js, Discord.py, Flask, Slack API

Personal Skills: Communication - Leadership - Teamwork - Problem-solving - Adaptability - Responsibility - Positivity

EXPERIENCE

Software Engineer Intern

May 2023 - Aug 2023

PCBest Networks

Hybrid

- Implemented chatbots designed for Discord, Slack, and WhatsApp using OpenAI's GPT-3.5-turbo in Python, Flask, and Slack API
- Enhanced conversation exchange through improved response that uses conversation history via the OpenAI API to generate content dynamically and provide a seamless response

Hardware Engineer Intern

May 2022 - May 2023

PCBest Networks

Hybrid

- Replaced the parts in the servers and did the required repairs while involving in the troubleshooting and debugging activity to actively maintain optimal functionality among the server infrastructure
- Configured effectual cost-effective components and strategically planned accurate selections for the optimization of high-performance PCs of the company

Club Head/Organizer

Sept 2021 - June 2022

Lisgar Collegiate Institute Computing Club

Ottawa, ON

- Instructed a club of 30+ members in utilizing Arduinos and circuit boards for diverse projects, fostering hands-on experience in Python and C++

PROJECTS

Chat GPT Discord Bot | Backend | JavaScript, Node.js, Discord.js, OpenAI API

Jan 2023

- Incorporated the use of OpenAI library into the discord bot which ended up developing dynamic and context-based conversations with advanced AI functionalities
- Successfully deployed and maintained the bot across 6 Discord servers, increasing user engagements with dynamically intelligent interactions
- Implemented a responsive system for real-time user feedback, simulating typing indicators during message generation, and engineered the bot to selectively respond to user prompts based on specified channels and commands, ensuring a customized and contextually relevant experience

Personal Portfolio Website | Frontend | HTML, CSS, JavaScript, Reactjs

November - Present

- Developed a dynamic and visually engaging website using JavaScript and CSS
- Leveraged my expertise in creating animation effects to improve the user experience on both frontend as well as backend
- Developed typewriter effects and photo album scrolling effects using JavaScript and CSS that makes the user interface more interactive and dynamic

Two-Player Pong Game | Frontend/Backend | Python, PyGame

Jan 2023

- Successfully developed and deployed an interactive two-player Pong game with dynamic ball movement, collision detection against paddles and walls, ensuring an engaging gameplay experience

EDUCATION

York University

Bachelor of Science in Computer Science

Toronto, Ontario

Sept. 2023 - April 2026

Carleton University

Bachelor of Science in Computer Science

Ottawa, Ontario

Sept. 2022 - April 2023