

Vincent Sun

A hard-working learner who is seeking opportunities to apply and develop software skills in a professional environment.

PROJECT EXPERIENCE

Harmony Haven

August 2023

Developed a web application to improve users' singing using real-time pitch detection comparisons in a game-like format. Dynamically sourced songs and lyrics from YouTube and Spotify APIs. Analyzed pitch with the Web Audio API, visualized data with Chart.js, and stored information in MongoDB.

Optimal Shopper

July 2023

Built a website that displays and compares products from nearby grocery stores. Allowed users to sort results by distance, price, and store, and add products to a shopping list. Scrapped data with puppeteer in real-time, and communicated between React.js front-end and Express.js backend with HTTP.

Plantanium: Connecting Plant Owners

October 2022

Created a website to connect plant and animal owners and implemented profiles to share experiences with their companion. Registered accounts with Auth0, stored information in MongoDB, and used HTML+CSS for the front-end.

Spectra: AI Personal Companion Bag

July 2022

Created an over-the-shoulder bag with a camera that provides audio feedback to assist the visually impaired. Integrated text recognition and emotion detection using OpenCV and Tensorflow into an embedded Raspberry Pi. Demonstrated the product to Ontario Tech University and was recognized for incubation.

Chester: Voice Assistant

February 2021

Programmed a python voice assistant that can scrape information from the internet, share COVID statistics, play videos and music, and add events to the user's calendar. Converted speech to text with the SpeechRecognition library, scraped websites with BeautifulSoup, and leveraged Google API for scheduling.

WORK HISTORY

Web Developer / AWA DK Canada Inc.

September 2021 - Present

Designed and created a company website to advertise and provide information for potential customers. Added a multilingual setting and individual product pages detailing all specifications. Performed routine maintenance, handled emails sent, and updated products as required. Built with Wordpress and CSS.

Takeout Worker / Swiss Chalet

August 2021 - June 2022

Took orders and served customers under high pressure scenarios and received positive feedback from both customers and coworkers. Packed meals while dealing with curbside pickups and collaborated with coworkers on large orders.

vincentjsun@gmail.com

416-270-4687

linkedin.com/in/vincentjsun

vincentjsun.github.io

SKILLS AND FRAMEWORKS

Python	██████
Javascript	███████
HTML	███████
React.js	██████
Node.js	██████
Microsoft Office	██████
MongoDB	██████
Express.js	██████
OpenCV	██████

EDUCATION

Candidate for

Bachelor of Computer Science

2023 - Expected 2028

University Of Waterloo

Current GPA: 4.0

AWARDS

UW National Math Scholarship
4th place Internationally at ICDC
School Champion Hypatia Contest
Top 3 in City for Avogadro Contest
CCC Senior Distinction

CLUB EXPERIENCE

Math Club, President / 2022-23

Taught math concepts and ran math contests while leading decision-making in planning future events

Hack the Ridge, President / 2022

Reached out to local businesses for sponsorships, organized logistics, and delegated tasks to my team to host a final turnout of 149 participants

DECA, Trainer / 2021-23

Trained DECA participants on business concepts and ran mock case studies

Debate Club, Logistics / 2020-23

Planned trips for our club to attend competitions and organized the yearly tournaments held by our school

HOBBIES

Hip-hop Dance, Tennis, Snowboarding, Cooking, Hiking