

Joey Wang

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TECHNICAL SKILLS

Languages: Python, C++, Java, Kotlin, JavaScript, TypeScript, SQL, HTML/CSS

Frameworks: Node.js, React.js, Express.js, MongoDB Atlas, Bootstrap

Developer Tools: Google Cloud Platform, Google Tag Manager, Visual Studio Code, Firebase, Git, Heroku, Netlify

EXPERIENCE

Ford Motor Company

Software Developer

Sept 2022 – Present

Waterloo, ON

Open Source Brokers

Software Developer

Jan 2022 – Apr 2022

Calgary, AB

- Developed a web app to manage and display customer information using React.js, Express.js, MongoDB, and APIs
- Created a database containing ad metadata and activity in BigQuery, automated to upload daily using Python
- Normalized databases containing **10+ million** customer purchase records by removing redundancies with SQL
- Implemented hashing on checkout forms for **5+ client sites** by returning user data cookies with JavaScript

BCharity

Software Developer

May 2021 – Aug 2021

Calgary, AB

- Created and hosted a website to display company information on Netlify with TypeScript and React.js
- Designed and tested UI elements in React Storybook to manage individual components and examine all UI states
- Generated an interactive 3D graphic with DOM events and orbit controls to enhance user experience using Three.js

PROJECTS

🔗 Spotify Stats | *Python, JavaScript*

- Developed a web application to display individual listening trends using Chart.js and the Spotify Web API
- Aggregated and stored listening history and song metadata in MongoDB using PyMongo

🔗 Interactive Chatbot | *Python*

- Created a chatbot that responds to user commands using the Discord API and the asyncio Python library
- Displayed web-scraped data and enabled command search functionality using the BS4 and FuzzyWuzzy libraries
- Recorded user information in a local database to store personalized preferences with the TinyDB library

🔗 Sizzle | *Java*

- Built a mobile app to identify COVID-19 procedures by scanning restaurant signs in Android Studio with Java
- Displayed web-scraped data from JSoup based on a restaurant name identified using the Google Cloud API
- Awarded the Google Cloud Sponsor Award at PennApps XXI

🔗 Covid Classroom | *JavaScript, Node.js*

- Constructed a video conferencing platform with personalized room codes using JavaScript and Firebase
- Converted audio to text to reduce audio latency and generate subtitles with Mozilla Web APIs and Node.js

EDUCATION

University of Waterloo

Candidate for Computer Engineering Honours, Co-operative Program

Expected 2026

Waterloo, ON

- Activities: Kendo Club, Badminton Club, Volleyball Intramurals, Animusic Ensembles