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 — Sept 2022 – Present
Software Developer Intern — *Waterloo, ON*

Open Source Brokers — Jan 2022 – Apr 2022
Software Developer Intern — *Calgary, AB*
- Developed a web app to manage and display customer information using the MERN stack and various APIs
- Aggregated 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 — May 2021 – Aug 2021
Student Software Developer — *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*
- Engineered a fullstack application to visualize Spotify listening trends from the Spotify Web API and Chart.js
- Enabled user authentication with OAuth2 to dynamically display listening history and metadata from MongoDB

Grocery List | *JavaScript*
- Created a fullstack application which can add, remove, sort, and prioritize groceries with React.js and React Hooks
- Integrated user authentication to dynamically render data added by multiple users using React Firebase Hooks

Interactive Chatbot | *Python*
- Programmed a chatbot that responds to user commands using the Discord API and the asyncio Python library
- Utilized stored user data to incorporated command searching, alert scheduling, using various Python libraries

Sizzle | *Java*
- Built a mobile app to identify COVID-19 procedures by scanning restaurant signs in Android Studio
- 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

Integrity | *JavaScript, Node.js*
- Developed an anti cheat exam platform to monitor suspicious behaviour including head turns, and tab switches
- Generated private exam rooms with personalized class codes to record student activity and grades with Firebase

EDUCATION

University of Waterloo — Expected 2026
Candidate for Computer Engineering Honours, Co-operative Program — *Waterloo, ON*
- Activities: Kendo Club, Badminton Club, Volleyball Intramurals, Animusic Ensembles