

## Cheryl Zhang

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**Programming Languages:** Java, C/C++, JavaScript/TypeScript, Python, SQL, JSON, CSS

**Technologies:** SpringBoot, Node.js, PostgreSQL, JPA, ReactJS, OpenAPI/Swagger, Git, Gradle, Postman, Docker, GCP, Azure, JUnit, Mockito

## Education

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### University of Toronto Scarborough

*Honours Bachelor of Science, Computer Science Co-op (2022-2027)*

- Awards: University of Toronto's Highest Tier Entrance Scholarship

## Projects

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### Speech Summarizer

*Winner of Best Mobile App at Ignition Hacks 2023*

- Worked with a team of 3 to create a web app where users upload audio/video files of their meetings and the app will take that file and convert it into condensed and informative meeting minutes.
- Made a REST API with Node.js that calls Google Cloud's Speech to Text API to orchestrate a seamless conversion of audio content into text.
- Deployed the application to Google Kubernetes Engine(GKE) utilizing Docker containers and managed through the Kubernetes container orchestration system.

### Product Comparison Web Application

- Assembled a REST API in Java that seamlessly integrates with OpenAI's API that finds the ingredients of products given their names and stores each user search into a postgresql database.
- Incorporated data processing to identify common, unique ingredients and percentage similarity of products.
- Implemented ReactJS to build a dynamic webpage where users can use if they are logged in.
- Utilized JUnit and Mockito to perform unit testing on various services within the project's backend.

### Personal Portfolio

- Developed a dynamic web application using React.js, leveraging the Remix framework.
- Implemented a responsive design, ensuring seamless user experience across various screen sizes by utilizing Tailwind CSS for styling and layout.
- Incorporated engaging animations to enhance user experience, with text and image elements appearing on-screen as the user scrolls, providing a modern and visually appealing interface.

## Relevant Experience

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### Vice Head of CodeHers Collective (2021-2022)

*North Toronto Collegiate Institute*

- Instructed club members on the basics of different coding languages such as HTML, CSS, and JavaScript through weekly online coding workshops.
- Aided club members in creating their own dynamic and interactive web pages using a combination of the languages they learned through the workshops.

### North Toronto Environmental Action Team (NEAT) Events Head (2021-2022)

*North Toronto Collegiate Institute*

- Arranged and executed the logistics of NT's Plant-O-Gram Event where students could buy plants for other students and have them delivered to their classrooms.
- Coordinated with other team members to host bi-weekly virtual Eco Friendly Craft Sessions.