

# Xinyue Hecate Li

Portfolio Email Github LinkedIn

## EDUCATION

### University of Toronto

Sept 2022 – June 2026

*Honours Bachelor of Science in Computer Science*

Toronto, ON

- Arts and Science Internship Program(ASIP); Dean's List Scholar
- Relevant Courses: Software Design, Software Tools and System Programming, Software Engineering, Databases, Honor Theory of Computation, Data Visualization, Web Development, Computer Organization, Data Structure and Analysis, Algorithm Design

## SKILLS

- Programming Languages: Python, Java, JavaScript, TypeScript, SQL, PHP, Kotlin
- Libraries & Frameworks: Spring Boot, React, Pandas, MongoDB, Node.js, React Native, Vue
- Tools: Linux, Git, Maven, MySQL, LaTeX, VSCode, WordPress, JetBrains IDEs(IntelliJ/PyCharm/DataGrip)

## WORK EXPERIENCES

### Software Engineer

May 2025 – Aug 2025

*Google - Workspace Gmail and Chat*

Kitchener, ON

- Improved the initial loading performance of Google Chat with **JavaScript**

### Software Engineer

May 2024 – Aug 2024

*University Health Network (UHN) - Kidney Health Education and Research Group*

Toronto, ON

- Utilized **SQL** and **Python** to manage extensive database, developing scripts to regularly monitor data and automatically generate reports, resulting in a **5%** improvement in data accuracy
- Identified and resolved bugs in daily operational scripts, incorporating error handling to decrease script crash rates by **30%**
- Managed data processing and implemented core functions for the REDCap project, including the automation of data downloads and event scheduling via **API** and subsequent data reformatting using **Pandas** for consistency and accuracy

### Full Stack Website Developer

Sept 2023 – Apr 2024

*University Health Network (UHN) - Kidney Health Education and Research Group*

Toronto, ON

- Developed an innovative website with **WordPress** and **PHP**, enhancing user experience by collaborating with UX designers to translate designs into visually appealing and functional web elements
- Maintained and updated a website with **over 200** daily views, skillfully integrating **SQL** databases for optimized data management, while collaborating with the development team to identify and resolve site vulnerabilities promptly

## PROJECTS

### NutriTrack

Jan 2023

*Spring Boot, MyBatis Plus, MySQL, Vue, JavaScript*

[\(Github\)](#)

- Designed and developed a full-stack web application that allows users to record their daily food intake, visualizes the analyzed data and gives personalized recommendations
- Implemented with **MyBatis Plus**, **MySQL** for data transmission and **ECharts** for data visualization

### Kitchen Wizard

Jan 2023

*React, JavaScript, SQL, Beautiful Soup*

[\(Github\)](#)

- A recipe suggestion application that enables users to input ingredients they own or dislike and returns a list of recipes that have the fewest missing ingredients to help users making meal planning more efficient and personalized
- Implemented web-scraping using **Beautiful Soup** to gather relevant resources, and developed an efficient search algorithm for rapid recipe retrieval, significantly improving user access to resources

### Monopoly: Adventure at UofT

June 2023 - Aug 2023

*Java, Swings, Architecture, Unit Test*

[\(Github\)](#)

- Led a team of six in conceptualizing the theme, designing the structure, and developing the software, ensuing effective communication and reasonable task allocation
- Designed and implemented the feature for the Destiny block adhering to Clean Architecture Principles
- Developed unit tests for all entities and use cases, implemented error handling mechanisms, resulting in **85%** test coverage

### Chinese Media Navigator

Nov 2023

*Python, Pandas, Plotly Dash*

[\(Details\)](#)

- Developed interactive features on the website, allowing users to dynamically explore and analyze diverse datasets pertaining to Chinese diplomatic activities across various global locations
- Implement advanced data visualization techniques using **Python** and **Plotly Dash**

## CERTIFICATES & ACHIEVEMENTS

- **React Native**, Coursera Feb 2024
- **Advanced React**, Coursera July 2023