

# Linda Chen

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## Skills

<b>Languages &amp; Technologies</b>	JavaScript, TypeScript, HTML/CSS, Python, Java, C++, Kotlin, Bash, PHP
<b>Frameworks &amp; Libraries</b>	React, React Native, Node.js, Google APIs (Gemini, Maps, Charts, Sheets), Arduino IDE, Jest, Playwright
<b>Developer Tools</b>	Android Studio, XCode, Figma, Astro, Linux, Visual Studio Code, Git

## Experience

### BitGo

Software Engineering Intern

Palo Alto, California, United States

Sep 2025 - Dec 2025

- Built a comprehensive test suite using **Jest** for a **React Native** mobile application, increasing unit test coverage from **0% to 80%**
- Implemented a **GitHub Action** to enforce a minimum code coverage thresholds, preventing **100+ pull requests** from reducing coverage
- Designed an integration testing framework using **Bash** to spin up test environments and enable automated testing on every pull request
- Drove a **20%** growth in user adoption of the mobile application by improving user onboarding and implementing in-app notifications

### FormulaTech Hacks

Front-End Developer

Waterloo, Ontario, Canada

Apr 2025 - Present

- Engineered responsive web interfaces in **React, TypeScript, and Astro**, enabling seamless user experiences for 200+ hackathon attendees
- Developed responsive and dynamic dashboard components, ensuring a visually engaging and seamless experience across all screen sizes

### Counting Opinions

Full-Stack Developer

Toronto, Ontario, Canada

Jan 2025 - Apr 2025

- Boosted product release by **6 days** by leveraging **Google Gemini AI** to generate test data and produce realistic form responses
- Multi-tasked API calls to Gemini using **asynchronous programming**, reducing latency and improving response time by 8 seconds
- Proactively tested and debugged the codebase to improve system stability and **prevent 90% of bugs**
- Designed website layout using **Figma wireframes**, providing a clear visual blueprint and streamlining front-end development
- Authored a **technical specification** defining app features, APIs, and task delegations, serving as a blueprint for development
- Engineered a system to **format and export HTML table data** into Excel using the **Sheets API**, enabling seamless data integration

### Counting Opinions

Junior Web Developer

Toronto, Ontario, Canada

Jun 2023 - Aug 2024

- Modernized charts by migrating from **AmCharts4 to Plotly.js and Google Charts**, enabling SVG exports and faster rendering
- Integrated URL-based overlays to **compare 500+ library locations**, enabling visualization of cross-location trends on a single chart
- Mapped 500+ library branches using the **Google Maps API**, enabling interactive geographic visualization of system-wide data
- Upgraded to **Advanced Markers** post-deprecation and implemented an algorithm to resolve overlaps using circular coordinate offsetting

## Projects

### MiniMind Discord Bot

Python

- Engineered a multifunctional Discord bot using **Python**, delivering AI-powered grammar checking, translation, and paraphrasing tools
- Orchestrated API integrations with **DeepL, Google Translate, and Gemini** to produce accurate, context-aware multilingual responses
- Optimized performance with **asynchronous API calls**, reducing response time and enhancing real-time user experience
- Deployed the bot using **Replit and UptimeRobot**, ensuring 24/7 availability and automatic error recovery

### Personal Website

React.js, TypeScript, TailwindCSS

- Developed a personal website in **React.js, TypeScript, and TailwindCSS** within a week, iterating to enhance design and functionality
- Designed and hand-drew all visual assets, including backgrounds and animations, creating a fully custom experience

### Schedule Exporter

JavaScript

- Enable users to **export Waterloo class schedules as .ics files** by copying and pasting data from Quest
- Planning future enhancements to support multiple universities and customizable export options

## Education

### University of Waterloo

Waterloo, Ontario, Canada

Candidate for Bachelor of Applied Science in Systems Design Engineering

Sep 2024 - Apr 2029

Relevant coursework: *Digital Computation, Digital Systems, Data Structures and Algorithms*