# Linda Chen

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## Skills

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|---|---|
| **Languages & Technologies** | JavaScript, TypeScript, HTML/CSS, Python, Java, C++, Kotlin, Bash, PHP |
| **Frameworks & Libraries** | React, React Native, Node.js, Google APIs (Gemini, Maps, Charts, Sheets), Arduino IDE, Plotly, Swagger UI |
| **Developer Tools** | Android Studio, XCode, Figma, Astro, Linux, Visual Studio Code, Git |

## Experience

**BitGo** — *Palo Alto, California, United States*
Software Engineering Intern — *Sep 2025 - Dec 2025*

- Built a comprehensive test suite from scratch 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** — *Waterloo, Ontario, Canada*
Front-End Developer — *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** — *Toronto, Ontario, Canada*
Full-Stack Developer — *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** — *Toronto, Ontario, Canada*
Junior Web Developer — *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*