

# Linda Chen

✉ linda.chen1@uwaterloo.ca | 🏠 lindoop.com | 📧 lindoop | 🌐 linda-chen0617

## Skills

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

<b>BitGo</b> Software Engineering Intern	<i>Palo Alto, California, United States</i> Sep 2025 - Dec 2025
<ul style="list-style-type: none"><li>Built a comprehensive test suite from scratch for a <b>React Native</b> mobile application, increasing unit test coverage from <b>0% to 80%</b></li><li>Implemented a <b>GitHub Action</b> to enforce a minimum code coverage thresholds, preventing <b>100+ pull requests</b> from reducing coverage</li><li>Designed an integration testing framework using <b>Bash</b> to spin up test environments and enable automated testing on every pull request</li><li>Drove a <b>20%</b> growth in user adoption of the mobile application by improving user onboarding and implementing in-app notifications</li></ul>	
<b>FormulaTech Hacks</b> Front-End Developer	<i>Waterloo, Ontario, Canada</i> Apr 2025 - Present
<ul style="list-style-type: none"><li>Engineered responsive web interfaces in <b>React, TypeScript, and Astro</b>, enabling seamless user experiences for 200+ hackathon attendees</li><li>Developed responsive and dynamic dashboard components, ensuring a visually engaging and seamless experience across all screen sizes</li></ul>	
<b>Counting Opinions</b> Full-Stack Developer	<i>Toronto, Ontario, Canada</i> Jan 2025 - Apr 2025
<ul style="list-style-type: none"><li>Boosted product release by <b>6 days</b> by leveraging <b>Google Gemini AI</b> to generate test data and produce realistic form responses</li><li>Multi-tasked API calls to Gemini using <b>asynchronous programming</b>, reducing latency and improving response time by 8 seconds</li><li>Proactively tested and debugged the codebase to improve system stability and <b>prevent 90% of bugs</b></li><li>Designed website layout using <b>Figma wireframes</b>, providing a clear visual blueprint and streamlining front-end development</li><li>Authored a <b>technical specification</b> defining app features, APIs, and task delegations, serving as a blueprint for development</li><li>Engineered a system to <b>format and export HTML table data</b> into Excel using the <b>Sheets API</b>, enabling seamless data integration</li></ul>	
<b>Counting Opinions</b> Junior Web Developer	<i>Toronto, Ontario, Canada</i> Jun 2023 - Aug 2024
<ul style="list-style-type: none"><li>Modernized charts by migrating from <b>AmCharts4 to Plotly.js and Google Charts</b>, enabling SVG exports and faster rendering</li><li>Integrated URL-based overlays to <b>compare 500+ library locations</b>, enabling visualization of cross-location trends on a single chart</li><li>Mapped 500+ library branches using the <b>Google Maps API</b>, enabling interactive geographic visualization of system-wide data</li><li>Upgraded to <b>Advanced Markers</b> post-deprecation and implemented an algorithm to resolve overlaps using circular coordinate offsetting</li></ul>	

## Projects

<b>MiniMind Discord Bot</b>	<i>Python</i>
<ul style="list-style-type: none"><li>Engineered a multifunctional Discord bot using <b>Python</b>, delivering AI-powered grammar checking, translation, and paraphrasing tools</li><li>Orchestrated API integrations with <b>DeepL, Google Translate, and Gemini</b> to produce accurate, context-aware multilingual responses</li><li>Optimized performance with <b>asynchronous API calls</b>, reducing response time and enhancing real-time user experience</li><li>Deployed the bot using <b>Replit and UptimeRobot</b>, ensuring 24/7 availability and automatic error recovery</li></ul>	
<b>Personal Website</b>	<i>React.js, TypeScript, TailwindCSS</i>
<ul style="list-style-type: none"><li>Developed a personal website in <b>React.js, TypeScript, and TailwindCSS</b> within a week, iterating to enhance design and functionality</li><li>Designed and hand-drew all visual assets, including backgrounds and animations, creating a fully custom experience</li></ul>	
<b>Schedule Exporter</b>	<i>JavaScript</i>
<ul style="list-style-type: none"><li>Enable users to <b>export Waterloo class schedules as .ics files</b> by copying and pasting data from Quest</li><li>Planning future enhancements to support multiple universities and customizable export options</li></ul>	

## Education

<b>University of Waterloo</b> Candidate for Bachelor of Applied Science in Systems Design Engineering Relevant coursework: Digital Computation, Digital Systems, Data Structures and Algorithms	<i>Waterloo, Ontario, Canada</i> Sep 2024 - Apr 2029
---	---