

# ERIC CHEN

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## Experience

### Arctic Wolf Networks | Software Engineer Intern

May 2024 – August 2024

*React.js, TypeScript, Golang, Python, AWS, Figma*

*Waterloo, ON*

- Built a **Chrome extension** for ZenDesk, reducing support team handling time by **2-5 minutes per issue** and optimizing workflow efficiency
- Automated AWS deployments using **CloudFormation**, reducing deployment time by **80%**, improving **global content delivery speed by 37%**, and ensuring **99.9% uptime** via **CloudFront** and **S3**

### Esri | Software Engineer Intern

May 2023 – December 2023

*Stencil.js, TypeScript, Node.js, ArcGis JSAPI, SQL, Figma*

*Ottawa, ON*

- Created a **Cytoscape.js**-powered dependency graph, streamlining form expression **debugging by 75%**.
- Developed **three custom CKEditor5 plugins**, reducing content input time by **15 seconds per usage** for users
- Built a **custom SQL-92 language service** in **Monaco Editor**, adding **auto-completion**, **syntax highlighting**, and **validation**, boosting productivity by **60%** and eliminating manual copy-pasting

### McMaster University | Software Developer Intern

June 2022 – November 2022

*React.js, TypeScript, Tailwind CSS, Redux.js, OpenLayers, Node.js, Jest, Figma*

*Hamilton, ON*

- Optimized RTA web interface**, reducing data processing latency by **22%** and increasing daily active users by **29%**
- Enhanced **user interaction by 37%** by integrating **six ReCharts data charts** and **four OpenLayers maps** for real-time traffic visualization

### Gunkii | Shopify Lead Software Development Intern

June 2022 – August 2022

*HTML, CSS, JavaScript, SASS, Liquid, GTMetrix, PageSpeedInsights*

*Vancouver, BC*

- Revamped **Shopify store UI**, increasing **user engagement by 43%** and boosting **conversion rates by 21%**
- Reduced **page load time by 1.64s** through code optimizations, ensuring **faster and more responsive interactions**
- Implemented **SEO best practices** (meta tags, structured backlinks), improving **organic search visibility by 27%**

## Projects

### Plutos | *React Native, TypeScript, Flask, Firebase, PostgreSQL, AI/ML, OCR*

September 2024

- Devised an AI-powered budgeting app that parses receipt images, categorizes expenses, and tracks spending habits
- Integrated OCR (Optical Character Recognition) and machine learning**, enabling automatic extraction of itemized expenses with **90% accuracy**
- Engineered a **PostgreSQL-backed financial database**, optimizing query performance for real-time analytics

### Poolber | *React Native, Node.js, Firebase, Figma, Google Maps API*

April 2023

- Launched a **React Native app** that matches carpoolers, **reducing travel costs and carbon emissions**
- Integrated Firebase Authentication**, enabling secure user login and real-time session management
- Designed and converted **12 Figma wireframes** into modular React Native components for a seamless UI/UX

### Genshin Impact Wish Simulator | *Node.js, Genshin.js, Discord.js, MongoDB, Railway*

January 2023

- Designed and implemented a custom **Discord bot** to simulate the gacha environment in **Genshin Impact**, increasing **user interactions by 35%**, resulting in a more active and vibrant community
- The bot is actively used by **323+ members across five Discord servers**

## Education

### McMaster University

September 2020 – April 2025

*Software Engineering Co-op (B.Eng)*

*Hamilton, ON*

### Skills:

React.js, TypeScript, JavaScript, Python, Golang, AWS, Next.js, HTML/CSS, SQL, NoSQL, Java, Docker

### Personal Hobbies and Interests:

Gaming, Working Out, Badminton, Volleyball, Ultimate Frisbee, Keyboards