

# Isabella Zhong

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## EDUCATION

### *University of Toronto | Computer Science Major*

Sep 2024 - 2028 [Expected]

- Relevant Coursework: Software Design, Foundations of Computer Science II, Theory of Computation
- Clubs: Google Developer Group, University of Toronto Machine Intelligence Student Team

## EXPERIENCE

### *BMO – Software Developer Intern*

Apr 2025 – Aug 2025

- Engineered an LLM-powered RAG model using **AWS Bedrock** to streamline **SDLC** and optimize efficiency across cross-functional teams in an **agile development environment**
- Created and deployed **S3, SQS, and API Gateway AWS CDK Stacks** for scalable cloud infrastructure
- Created unit tests for semantic chunking of Java, Python and JavaScript files by debugging and refining code inconsistencies, achieving a code coverage of **90%**
- Developed a chatbot interface using Next.js, integrated with a backend using the MCP framework, and successfully demoed to stakeholders
- **Tech Stack:** Typescript, Python, AWS (S3, SQS, API Gateway), Next.js

## LEADERSHIP

### *Google Developer Club – Marketing Vice Lead*

Apr 2025 – Present

- Lead a marketing team of **20 people**, supervising over graphic design, social media and photography teams
- **Collaborate** closely with executive members to align marketing goals with product and event launches
- Supported in organizing 2 events with over **500+ attendees**, increasing applicants by nearly **50%** from the previous year
- Drove a boost of over **600%** in engagement through innovative social media campaigns

## PROJECTS

### *Hack the Valley – Justastartup*

Oct 2025

- Developed a **full-stack business accelerator** prototype to initiate thorough business plans and automated insights
- Integrated SerpApi to perform competitor and trend analysis
- Deployed scalable infrastructure on **Vercel** with **Supabase** backend, optimizing load times and user experience
- **Tech Stack:** Typescript, React, Supabase, Vercel

### *Hack the 6ix – Marker*

July 2025

- Collaborated in a multidisciplinary team to develop a **full-stack prototype** to enhance student learning
- Implemented a multimodal **RAG pipeline** using **FAISS** and **LangChain** for intelligent document search
- **Tech Stack:** Python, Next.js, LangChain

### *ReturnX – Hack the Future Case Competition*

Mar 2025

- Proposed a prototype sustainable **FinTech** solution to reduce e-commerce return inefficiencies
- Designed user interfaces and user flows in **Figma** using established UI/UX design principles
- One of the **top 5** finalists of 36 teams to present at **Google Headquarters**
- **Tech Stack:** Figma

## SKILLS

**Languages:** Java, Python, JavaScript, TypeScript, HTML/CSS

**Frameworks/Libraries:** React, Next.js, NumPy, Pandas, Svelte, Tailwind CSS, LangChain, MCP

**Tools:** AWS CDK, Git, Figma

**Methodologies:** Scrum Development, Design Thinking, Agile