

# Jeannie Zhang

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## TECHNICAL SKILLS

**Languages:** Python, Golang, TypeScript, Javascript, Java, Kotlin, C++, C, C#, HTML/CSS, SQL, Bash  
**Frameworks/Libraries:** React.js, Next.js, React Native, Flask, Pandas, Tailwind CSS, Redux, Playwright, Node.js  
**Tools:** Git, Docker, PostgreSQL, Bitbucket, Jira, Confluence, Postman, Vim, Unity, AWS, Linear

## EXPERIENCE

- Kaleidoscope.bio** Incoming  
*Software Engineering Intern* New York City, NY
- Kaleidoscope is a research platform designed for planning and tracking scientific work.
- Mantle** Sep 2024 - Dec 2024  
*Software Engineering Associate* Toronto, ON
- Built full-stack features for an AI-driven FinTech platform with **Typescript**, **React.js** and **Golang**
  - Developed web scraping scripts with **Playwright**, automating the retrieval of **500+ documents** daily
  - Optimized **Google Gemini** integration to extract financial statement data with **90% accuracy**
- Stealth Startup** Jan 2024 - Apr 2024  
*Full-stack Developer* San Francisco, CA
- Spearheaded the migration from a legacy API to an in-house database with **Python** and **Golang**, resulting in over **\$60,000 USD** in annual cost savings for the company
  - Developed **Python** scripts to scrape review and location data on over **2.5 million** healthcare providers
  - Built data pipelines using **Pandas** and **Psycopg2**, validating integrity across extensive datasets
- Okos** May 2023 - Aug 2023  
*Software Developer* Calgary, AB
- Built flagship features with **Typescript** and **React.js** to manage **200+** smart-home installations
  - Optimized API endpoints using **Python** and **Flask** to improve server response times by **160%**
  - Debugged and implemented a mobile login page using **React Native**, reducing app crashes by **30%**
- Definity** May 2022 - Aug 2022  
*Software Developer* Kitchener, ON
- Developed and debugged back-end functionalities for managing **500+** brokers with **Apex**
  - Built new test classes and wrote **SQL** queries to fetch data, elevating code coverage to **80%**

## PROJECTS

- Awake Again** | *C#, Unity* 🎮
- Developed a top-down 2D role-playing game for Brackeys Game Jam ranking **top 15%** overall
  - Utilized **Unity** engine to design and implement a dialogue system, user interfaces, and game mechanics
- Memo(rable)** | *Javascript, HTML/CSS, Firebase* 🎮
- Created a full-stack message wall web application with a responsive web interface
  - Leveraged **Firebase** to authenticate Google login and manage user data, storing **100+** public messages
  - Developed features of viewing message history and message editing/deletion to enhance user experience

## ACHIEVEMENTS

Attained the title of **FIDE Woman Candidate Master** in chess  
Awarded the University of Waterloo President's Scholarship of Distinction

## EDUCATION

- University of Waterloo** September 2021 – May 2026  
*Candidate for Bachelor of Computer Science* Waterloo, Ontario
- **Relevant Courses:** Algorithms, Human-Computer Interaction, Software Design and Architectures