Sophie Yang

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TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Golang, C++, Ruby (learning)
Frameworks: React.js, Next.js, Node.js, Django, Flask, MongoDB, Jest, AWS, FastAPI, LangChain
Developer Tools: Figma, Swagger, Git, Jira

EXPERIENCE

Software Engineer Intern — Feb 2025 – Present
Greptile (YC 24) 🔗 — *Remote*
- Built a **GitHub stats tool** using Typescript and Next.js, delivering **AI-powered developer contribution recaps** with interactive visualizations and **gaining 8,000+ users in the first month**
- Spearheaded the **complete redesign of the login/signup interface**, implementing data-driven UX resulting in an **11% increase** in page engagement

Software Engineer Intern — Jan 2025 – April 2025
Royal Bank of Canada — *Toronto, ON*
- Automated a **compliance violation flagger** by designing a Jira pipeline that processed 1,000+ partner interactions weekly, **lowering manual intervention by 40%**
- Developed a **risk engine to analyze firewall configurations** and **reduce access request processing time by 93%** using Python (FastAPI) and JavaScript

Software Engineer Intern — July 2024 – Aug 2024
Royal Bank of Canada — *Toronto, ON*
- Developed an API assessor within the RBC Internal Developers Portal, working under the API and Automation team for **3,500+ Internal APIs** and **80,000+ developers** with **React**, **Golang**, and **MongoDB**
- Collaborated with cross-functional teams to implement DevOps and Agile best practices, enabling real-time feedback and **reducing API validation time by 20%**

Software Engineer Intern — July 2023 – Aug 2023
Royal Bank of Canada — *Toronto, ON*
- Automated the **migration of 14 million** client documents, **saving $ 300,000 in risk protection fees** by implementing a robust production-ready pipeline
- Led the **design and development of a document-sharing feature** for ticketing systems using **Spring Boot**, **Maven and React**

Project Management Intern — Nov 2022 – May 2023
Wizeprep — *Toronto, ON*
- Led High-school expansion project as the first high-school intern of **200+ employees** after a successful pitch to the CEO, executing 4 Edtech campaigns, leading to **80,000+ overall impressions** and increased conversion rate

PROJECTS

Real Estate AI Chatbot 🔗 | *React, Python, LangChain, Pinecone, AWS, Docker* — Mar 2025
- Built and deployed an **AI-powered legal assistant** for real estate, **automating responses to over 1,000+** legal inquiries monthly, reducing client response time by 80%
- Integrated Pinecone with LangChain and embeddings to power semantic search over **1K+** legal docs

Chime | *Typescript, Django, Flask, AWS, PostgreSQL, MongoDB, Numpy, Surprise, Scikit* — Present
- A Tinder-like social platform for discovering new music with playlist creation
- Trained a **ML model for a collaborative-content-based hybrid recommendation system** with Matrix Factorization/KNN algorithms to provide real-time music suggestions
- Selected as top **20% for Foundess Startup accelerator**

EDUCATION

University of Waterloo — Waterloo, ON
Bachelor of Applied Science in Systems Design Engineering — *Expected 2029*