ESTHER XIN

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SKILLS

Languages — Go, Java, Python, C++, SQL, JavaScript, TypeScript, HTML/CSS

Tools / Frameworks — React, Express, GitLab CI/CD, Firebase, Vercel, Jira, Git, Figma

EXPERIENCE

1Password — Software Engineering Intern   Toronto, May 2022 - Present

- Built highly-requested **OIDC** single sign-on feature using **Go, React** and **SQL**, enabling businesses to authenticate with an external identity provider to increase security and efficiency.
- Developed corresponding admin tool used by **100+ internal developers** and sales engineers to easily provide customer support.
- Launched feature into beta and was **adopted by 80%** of interviewed clients.

1Password — Software Engineering Intern   Toronto, Sep 2021 - Dec 2021

- Architected and developed a new **localization workflow** using **Go** and an upgraded **REST API** after discovering validation inconsistencies in legacy code.
- Developed an automated pipeline using **Gitlab CI** and **Shell Script** to create a localization pull request and Slack post via a release bot deployed to **200+ internal developers**.
- Increased unit test coverage from **30% to 75%** using **Go mocking frameworks** to test interfaces and API calls.

Year Zero Studios — Software Engineering Intern   Toronto, Jan 2021 - Apr 2021

- Developed a new variable payment feature allowing custom price selection from design to release using **TypeScript, React Hooks, Express.js, Stripe API, Material UI** and **Firebase**.
- Leveraged the **Zoom API** allowing users to integrate personal Zoom accounts to facilitate in-app meeting creation.
- Increased user acquisition by **over 100%** by designing and developing various highly requested customer features such as scheduling recurring meetings and checkout promo codes.

PROJECTS

Forecast | *github.forecast*   May 2021

- Designed, developed and deployed a weather app showcasing the forecast of any searched city using the Open Weather API, React, JavaScript and Vercel.

Get-It-Done | *github.get-it-done*   Apr 2021

- Designed, developed and deployed a ToDo App using React, JavaScript, Firebase, and Vercel that stores users' tasks and displays them according to completion status and timestamp.

LEADERSHIP

Glenforest STEM — Vice-President   Jul 2019 - Mar 2020

- Organized the largest student-run conference in Canada with over 1200 participants and gained recognition from Justin Trudeau.
- Led 35+ students to organize a university panel and in-school programming workshops with Google and Microsoft.

EDUCATION

University of Waterloo — BASc Systems Design Engineering   2020 - 2025

Relevant Courses: Data Structures and Algorithms (C++), Digital Computation (C++), Human Factors in Design