Ethan Zhang

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SKILLS

- **Programming Languages:** Java, C, C#, Python, Javascript, Typescript, HTML/CSS, SQL, Haskell, Racket
- **Technologies:** AngularJS, ReactJS, Ionic, Node.js, Linux, Android Studio, Python Flask, Firebase, IndexedDB, Unity, Git, Gantt, VioletUML

EXPERIENCE

Jonah Group   **September 2022 – December 2022**
Technical Developer Intern   *Toronto, ON*

- Developed fullstack mobile application using **AngularJS** and **Ionic** as a frontend interface for users to log work and complete forms
- Designed complex form elements for user input to be stored in an **IndexedDB** database, using **TypeScript** for forms defined with **JSON** files
- Implemented unit tests with **Jasmine** to ensure the proper generation of form elements read from **JSON** files
- Practiced **Agile** software development, communicating with the project client by the end of each sprint and adjusting work as necessary

PROJECTS

[BotPeter (Web Scraper Bot)](#) – *HTML/CSS, Javascript, Node.js, Discord API, OpenAI API*   **July 2021 – Present**

- Constructed a web scraper using **Node.js** to process user input, and retrieve and interpret **HTML/CSS** source content from the websites u.gg and champion.gg, removing the requirement for a browser, instead displaying the data on Discord
- Maintained and updated project regularly to ensure the retrieved data is interpreted and displayed correctly depending on user input using the **Discord API**
- Employed **OpenAI API**, allowing for generation of unique text and image generations based on user input

[Event Scheduling App](#) – *Java, Android Studio, Firebase*   **July 2022 – August 2022**

- Developed a scheduling application in **Java** using **Android Studio,** making use of scrum with numerous sprints
- Created a real-time data base and user authentication system using **Firebase** that allows for data reading, writing creation and verification
- Incorporated a Model View Controller design and an **object-oriented** approach using classes, interfaces, abstraction, and polymorphism

[Fullstack Personal Website](#) – *HTML/CSS, Javascript, ReactJS*   **January 2023**

- Designed and created a fullstack personal website using **HTML/CSS** and **ReactJS**, optimized to support a multitude of viewports
- Organized project by creating various components with **ReactJS** to enable code readability and reduce code redundancy
- Incorporated various libraries for animations and effects to enhance user experience and engagement

EDUCATION

University of Toronto   **September 2021 – May 2025**
Honours Bachelor of Science, Computer Science   *Toronto, ON*

- Relevant Coursework
  - ‣ Software Design | Software Tools & Systems Programming | Design & Analysis of Data Structures | Computer Organization | Principles of Programming Languages | Introduction to Databases and Web Applications | Introduction to Software Engineering