Jerry Xu

jerry.xu99@gmail.com

linkedin.com/in/jerryxu-/ ↗

+1-604-367-2733

github.com/jerryxu99 ↗

EDUCATION

- **University of British Columbia** — **GPA: 4.0**
  Combined Major in Business and Computer Science — *Anticipated Graduation : 2023*
  - **Courses:** Systematic Program Design - 100%, Models of Computation - 100%, Software Construction - 98%, Data Structures & Algorithms - 96%

SKILLS

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

- **Frameworks and Tools**: NodeJS (Express), MongoDB (Mongoose), React, Flask, Git, Jest, Redis, Bootstrap, Firebase

EXPERIENCE

- **Luscinia Enterprises** ↗ — Vancouver, BC
  Full-Stack Engineer — *August 2020 - December 2020*
  - **Led a team of 3 engineers** in the development of the client web portals for students and teachers using **React** while faciliating weekly sprint planning and code reviews.
  - **Developed the REST API with Flask (Python)** to parse user metrics and dynamically respond with personalized learning resources.
  - Implemented rapid lesson creation functionality in **MongoDB** and **reduced API latency by 40% using Redis** in memory cache.

PROJECTS

- **LiveliHood** ⏻
  - Developed a web app that allows users to help neighbours who are more vulnerable to COVID by completing tasks such as shopping in populated grocery stores.
  - Created a **REST API with NodeJS** to manage personalized tasks for each user using **JWT** for authentication and **MongoDB** for persistent data store.
  - Built an interactive UI using **React** and integrated the Google Maps API to visualize locations of tasks.
  - **Automated the test pipeline by leveraging Jest and Supertest** to ensure a flawless production deployment.

- **Visual Speech** ⏻
  - Created a web app that allows visually impaired users to communicate with hearing impaired users.
  - Integrated Google's Text-to-Speech and Speech-to-Text APIs with **Cloud Firestore in an Express backend.**
  - **Architected a modular frontend** with reusable components **using React hooks.**

- **Chatter** ⏻
  - Built a web app deployed onto Heroku that allows users to connect to rooms and chat.
  - Developed the web app using Express, **leveraging SocketIO for real-time bidirectional communication.**
  - Utilized Mustache to create dynamic elements on each web page and QueryString to fetch information specific to each room.

- **Space Adventure** ⏻
  - Designed an infinitely scrolling game using **Java** where the player controls a ship and encounters a variety of enemies and obstacles to shoot through or dodge.
  - Collaborated in a team of 3 and **utilized Jira for task and project management.**

AWARDS AND ACHIEVEMENTS

- **Governor General's Award**
  Awarded upon high school graduation as the top scholar of the class.