Yumin Wu
Software Engineer

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TECHNICAL SKILLS

- **Programming Language:** Java, JavaScript, Python, Go
- **Framework and Library:** React, Spring Boot, Express
- **Other:** AWS, Firebase, Node.js, Git

EXPERIENCE

Amazon - Alexa Skills Kit   **Vancouver, BC**
Software Development Engineer I   *Aug 2021 – present*
- Designed and delivered developer tool for batch testing Alexa dialogs, using orchestrated lambda workflow
- Built **CRUD APIs** in **Fargate** service for managing and executing Alexa skill regression tests
- Delivered searchable text input history feature for Alexa Web Simulator, increased **MAU by 20%**
- Imrpoved service operation, root caused long standing operational and customer issues
- Built infrastructure with AWS techonologies:**CDK**, **IAM**, **DynamoDB**, **S3**, **CloudWatch**, and **VPC**

Hestia Technologies - Dian (Food Delivery Startup)   **Toronto, ON**
Mobile Application Developer   *Mar 2021 – Aug. 2021*
- Architected coupon system using **Firebase Cloud Firestore (NoSQL)**, Cloud Functions, and Cloud Messaging
- Delivered rating system in **React Native** stored in Cloud Firestore, and updated by Cloud Functions listener

Amazon - Alexa Skills Kit   **Vancouver, BC (Remote)**
Software Development Engineer I - Intern   *May 2020 – Aug. 2020*
- Augmented APIs and UI to enable read write operations of WIP test sets in Alexa Skills Evaluation Tool
- Implemented business logic to parse, validate, save and retrieve test sets in CSV and JSON format in **Java**
- Delivered reusable table components with filtering and responsive status update in **React**

SS&C Technologies - DST Systems   **Toronto, ON**
Full Stack Developer - Intern   *Sep. 2019 – Dec. 2019*
- Refactored Spring Boot service of sub-accounting software, increased hourly transactions from 2 to 2.2 millions
- Implemented a POC document management wiki in React and Express

Achievers (Employee Recognition & Engagement Platform)   **Toronto, ON**
Software Developer - Intern   *Jan. 2019 – Apr. 2019*
- Extended API functionalities to allow for requesting optional columns in CSV when accessing platform member data
- Refactored manager email service with 100,000+ users written in PHP and SQL, reduced cron run time by 30%
- Improved regression tests and unit tests, increased test coverage of manager email service by 50%

EDUCATION

University of Waterloo   **Waterloo, ON**
BMath. Computer Science & Statistics, Honours, Co-operative Program   *Graduated with Distinction*
Relevant courses: CS454 Distributed Systems, CS456 Networks, CS458 Computer Security and Privacy

PROJECTS

Many Faces - React and Express   *Sept. 2019*
- A web application that detects faces in user uploaded photos, and ranks users based on number of faces found

Restaurant Picker for the Undecided - React   *Jan. 2019*
- A web application that aims to solve the vexing problem of "Where to eat?"