Yumin Wu
Software Engineer

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TECHNICAL SKILLS

- **Programming Language:** Java, JavaScript, Python, PHP, C++
- **Framework:** Spring, ExpressJS, AngularJS, CodeIgniter
- **Other:** ReactJS, NodeJS, AWS, Firebase, SQL, MongoDB, Git

EDUCATION

University of Waterloo   **Waterloo, ON**
BMath. Computer Science & Statistics, Honours, Co-operative Program   *Expected Graduation: June 2021*
Major GPA: 3.90

Relevant courses: CS 456 Computer Networks, CS 458 Computer Security and Privacy, CS 454 Distributed Systems

EXPERIENCE

Amazon Alexa   **Vancouver, BC**
Software Development Engineer I - Intern   *May 2020 – Aug. 2020*
- Extended Automatic Speech Recognition Evaluation tool API to enable saving work-in-progress data set
- Implemented new parsing, validating, saving and retrieving logic for data set in CSV and JSON format, in Java
- Developed reusable table components with filtering and responsive status update in React
- Obtained experience with AWS infrastructures including EC2, DynamoDB, S3, and CloudWatch

SS&C Technologies   **Toronto, ON**
Full Stack Developer - Intern   *Sep. 2019 – Dec. 2019*
- Refactored Spring Boot back-end services of proprietary accounting software, increased hourly transactions from 2 to 3 millions
- Implemented a POC document management wiki in Angular, and REST APIs for data operations

Achievers   **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 PHP code and MySQL queries for manager email service with 100,000+ users, reduced run time by 30%
- Improved regression tests and unit tests in PHPUnit, and increased test coverage of manager email service by 50%

TD - TRMIS   **Toronto, ON**
Technical Business Analyst - Intern   *May 2018 – Aug. 2018*
- Automated report generation with Python scripts, reduced report generation time for security analysts by 30%
- Developed Python scripts for identifying security pain points based on location, hardware, and severity utilizing Qualys API

Information and Privacy Commissioner of Ontario   **Toronto, ON**
Jr. Web & IT Officer - Intern   *May 2017 - Aug. 2017*
- Developed strong communication skills through everyday in-person IT support

PROJECTS

Many Faces   *Sept. 2019*
- A web app that detects faces in user uploaded photos, and ranks users on leader board based on number of faces found
- Built with React and Express.js
- Integrated clarifai API's face recognition module and Passort.js for user authentication

Tetris   *Nov. 2017*
- Single player Tetris developed in C++ and Object Oriented approach, with multiple difficulty levels and scoring system
- Effectively applied design patterns including MVC, Factory, and Visitor to achieve encapsulation for effective team collaboration
- Implemented "hint" functionality that calculates next best place with heuristic best-first search