

Shuhan (Laura) Liu

2A Computer Engineering | University of Waterloo
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SKILLS

- Languages: C++, JavaScript, TypeScript, HTML, CSS, PHP, Python, SQL
 - Tools: Node.js, Git, MongoDB, RabbitMQ, MS Azure, AWS, Postman, Jest, Linux
 - Libraries & Frameworks: Express, React, Angular, jQuery, Bootstrap
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EXPERIENCE

Software Engineering Intern

MCAP, Waterloo, ON, Canada

September 2019-December 2019

- Developed a **single-page** mortgage lending application using **TypeScript/React** and **Node.js/Express**
- Architected a microservice-based distributed system for the application and managed the back-end data with **MongoDB**, **RabbitMQ** and **RESTful** web services
- Participated in **Agile** team events such as sprint planning & review, modeling and pair programming

Web Developer

Purolator, Mississauga, ON, Canada

January 2019-April 2019

- Developed a web application which integrated with **IBM Watson** and **BACA** (OCR data extraction) to automatically lift data from bills and reduce the manual work by **80%**
 - Built a user-friendly interface with form validation using **JavaScript/Angular** for data reviewing
 - Implemented **RESTful** API endpoints for the web application and database using **PHP**
 - Utilized **Node.js**, **Python** and **AWS Lambda** to create an Amazon Alexa skill which helps users track their package and find the nearest pick-up location by speaking to Alexa mobile APP
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PROJECTS

Shuhan-liu.com

September 2019

- Built my personal website which has two major features: album and diary
- Created a dynamic photo album on the home page with **JavaScript**

Interval Calculator Project

October 2018

- Generated the calculating engine of an interval calculator with 19 calculation functions using **C++**
- Included basic one dimensional and two-dimensional interval operations and some special calculations like intersections and Cartesian Products

LEGO Robot Design

January 2018-April 2018

- Led a group of three people to design the internal code and external structure of a LEGO robot
 - Accomplished FIRST LEGO League 2018 missions with excellent teamwork and problem-solving skills
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INTERESTS

- Enjoy learning foreign languages and culture: Member of University of Waterloo Culture and Language Exchange Club