

# Ou Ye

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## SKILLS

### PROGRAMMING

- Java, C#, .Net, Python, L<sup>A</sup>T<sub>E</sub>X
- React, Redux, Webpack, Azure
- Typescript & Javascript & Node.js
- AWS EC2 & S3 & Elastic-search
- Apache & Maven & Ant & Gradle
- Docker & Cucumber & Swagger

### DATABASE

- MongoDB, MySQL, DB2

### TOOLS

- Git
- IntelliJ
- Eclipse
- Netbean
- Visual Studio
- Android Studio

### INTERESTS

- Data Analysis
- Machine Learning
- Backend Development
- Mobile Development
- Full-stack Web Development

### HOBBIES

- Camping
- Traveling
- Star Gazing
- Photography

## EDUCATION

**UNIVERSITY OF TORONTO**  
**B.S. IN COMPUTER SCIENCE**

## LINKS

Resume: [ouye.ca](https://www.ouye.ca)  
500px: [500px.com/mapleboy](https://500px.com/mapleboy)  
Github: [github.com/MapleWorld](https://github.com/MapleWorld)

## EXPERIENCE

### MICROSOFT | SOFTWARE ENGINEER

Aug 2019 – Current | US, Microsoft

- Building scalable, cloud-based, machine-learned reputation systems using Microsoft's proprietary machine learning language scripts on security and fine-tuning malware detection algorithm
- Development of Network protection data feed pipeline with continuous integration and continuous deployment (CI/CD) enabled through Azure DevOps
- Design and development of new API and feature for Network protection to block URIs from being accessed by applications with roughly **600M** traffic per day

### THOMSON REUTERS | SOFTWARE ENGINEER

Jan 2018 – Aug 2019 | Canada, Toronto

- Full stack development on various Java, react, C#, .Net and node.js based web applications with e2e testing using docker, selenium and cucumber
- Integration of various tools, like Swagger to help consume RESTful Web services, automated documentation, code generation, and test-case generation
- Integration of MongoDB for NoSQL data to enable user search history feature
- Development of high volume search intensive web applications using elastic search

### RAKUTEN | SOFTWARE ENGINEER INTERN

May 2017 – August 2017 | Japan, Fukuoka

- Design and implemented of an auto data generation server & website, to facilitate and streamline the process of data generation
- Engineered the current testing system to join with the data generation, and automated the testing for the internal credit card system

### AMAZON | SOFTWARE ENGINEER INTERN

June 2016 – Sept 2016 | Canada, Toronto

- Created a REST API and an interactivity web tool that can visualize the internal supply chain pipeline using Angularjs, Java, JavaScript, and Hibernate
- Implementation of data analysis logic to identify the performance of the pipeline, provide early detection, and insight of the pipeline processes in real time
- Implementation of auto notification with the data analysis to inform the team about the status and health of the jobs and provide an overview of the pipeline system

### IBM | SOFTWARE ENGINEER INTERN

May 2015 – April 2016 | Canada, Toronto

- Enabled horizontal scalability by leveraging the clusters concept, and developed a mini cluster group: **Supports 750x more processes through load balancing**
- Development of a cross platform web server using Java, Node.js, Cluster, DB2 & MongoDB for user to interact with SQL Query Generator
- Create Youtube video to teach and educate audience how to use IBM Products  
**Youtube Play List & Github Open Source Repository**

## PROJECTS

### LENS - [devpost.com/software/lens](https://devpost.com/software/lens)

- A website that retrieve tweets/blogs/news articles on the Internet using IBM Insight, Alchemy, and Twitter API, and perform analytic on the data to produce sentimental graphs on tweets, gender, and geographic distribution