# Jerry Zhao

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## Skills

**LANGUAGES**

JavaScript
CoffeeScript
Python
Java
C++
Objective-C
TypeScript
R
SQL
SCSS

**FRAMEWORKS & LIBRARIES**

React
Node
Tornado
Angular

**DATABASES**

MySQL
PostgreSQL
SQLAlchemy
DynamoDB

**TOOLS**

AWS
Git
Jenkins
Jest

## Education

**University of Waterloo**
Bachelor of Computer Science 2020
3.5 GPA

## Experience

**Lifion by ADP**                    Jan. 2020 - Apr. 2020, Sept. 2018 - Dec. 2018
Software Engineering Intern                                      New York, NY
*Node (Express), React (Redux), SCSS, MySQL, DynamoDB*

- Implemented an end-to-end solution for impersonation, which allows privileged users to access the platform as if they were another user, without their login credentials
- Designed and shipped Identity Control Center where authorized users can directly view/edit client and associate information
- Built a management system for OAuth 2.0 authorization servers which allows associates to grant limited access to HTTP services based on their company's available scopes
- Created the legal agreements service for the platform that compels users to abide to any newly updated policies

**integrate.ai**                                         May 2019 - Aug. 2019
Software Engineering Intern                                      Toronto, ON
*Python (Flask), Scala, Scikit-learn, PostgreSQL*

- Designed and implemented a monitoring service where customers can monitor metrics such as conversion rate and revenue lifts
- Developed the web service for the Trusted Signals Exchange which looks at common grounds in behaviours and patterns to boost prediction accuracy
- Added feature-target correlation to the model training service by separating the Scikit-learn pipeline into features and estimator steps

**Encircle**                                             Jan. 2018 - Apr. 2018
Software Engineering Intern                                      Kitchener, ON
*Python (Tornado), CoffeeScript, React, Java, Objective-C, PostgreSQL*

- Developed a customizable label system spanning across millions of orgs where users can tag items with their respective customized list of labels
- Extended SQLAlchemy Ordering List implementation to achieve query results ordering based on values in a secondary table
- Implemented the ability to download and email to policyholders documents, photos, and videos on native iOS and Android

**360 Education Labs**                                   May 2017 - Aug. 2017
Software Engineering Intern                                      Toronto, ON
*Java EE, React, MySQL, jQuery, PHP*

- Reduced loading time for large datasets by 90% with dynamic function loading
- Prototyped and developed an interactive video quizzing platform with React and HTML5 that is used by thousands of students and instructors

**Siemens Canada**                                       May 2016 - Aug. 2016
Software Developer Intern                                        Toronto, ON
*Node, React, MySQL*

- Developed the credentials expiration feature for the central login platform
- Created React components to modify and display network topology

## Awards

**Top 2%** · Canadian Computing Competition (Senior)                Feb. 2015
Across 3600 contestants