

# RICHIE SHI

## 3A Software Engineering

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### SKILLS

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- **Languages:** JavaScript, Java, C++, Python, Objective-C, C#, SQL, HTML, CSS, PHP
- **Technologies:** React, Flux, Redux, Node.js, Electron, .NET, jQuery, Git, AWS

### WORK EXPERIENCE

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#### D2L

Sept – Dec 2016

*Software Developer*

*Kitchener, ON*

- Implemented backend for learning applications in C#
- Received positive feedback from C-level executives in bi-weekly demos by delivering significant portions of brand new, high visibility product
- Optimized front-end algorithms to improve load times by 95%
- Developed high performance, reusable code for UI components using React and Flux
- Improved automated test coverage by writing unit and integration tests
- Participated in code reviews, incorporated change suggestions, and provided alternatives

#### 360 Education Labs

Jan – Apr 2016

*Software Developer*

*Toronto, ON*

- Created OS X video and desktop recording software integrated with AWS and YuJa web platform
- Developed video content management system using React, Flux, Java, and MySQL
- Implemented software user interface, increasing client retention and attraction

#### Suretap Wallet

Apr – Aug 2015

*Quality Assurance Analyst*

*Toronto, ON*

- Led QA team communication with developers to improve collaboration and speed up workflow
- Drafted new test cases, tracked test results, and logged bugs to maximize requirements coverage

### PROJECTS

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#### Yelp Review Classifier

Nov 2016 – Jan 2017

*github.com/richieshi/yelp-review-classifier*

- Trained a classifier in Python that categorizes the sentiment of Yelp reviews using NLP techniques
- Achieved a prediction accuracy of about 84% on test data

#### YouTube Music Player

Nov 2016 – Jan 2017

*github.com/richieshi/youtube-music-player*

- Desktop application for making music playlists, created using Electron, React, and Redux
- Created backend service and RESTful API to manage users' saved settings using Python and MySQL

### EDUCATION

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**University of Waterloo**, Bachelor's in Software Engineering

2014 – 2019 (expected)

### INTERESTS

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Board games, video games, tennis