RICHIE SHI

3A Software Engineering

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SKILLS

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

WORK EXPERIENCE

D2L   Sept – Dec 2016
Software Developer   *Kitchener, ON*

- Created backend service in C# and MSSQL to automatically pace teaching schedules
- Delivered significant portions of brand new, high visibility product and received excellent reviews from C-level executives in bi-weekly demos
- Improved app load times by 95% by optimizing front-end algorithms
- Developed high performance, reusable code for UI components using React and Flux
- Improved automated test coverage by 20% by writing unit and integration tests
- Participated in code reviews, incorporated change suggestions, and provided alternative solutions

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
- Increased client retention and attraction by delivering fully functioning recording software within a tight deadline
- Improved performance of large portions of main web app by migrating UI components to React
- Developed video content management system using React, Flux, Java, and MySQL

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

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 84% on a test dataset of size 150,000

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

University of Waterloo, Bachelor's in Software Engineering   2014 – 2019 (expected)