

# Yuchen Zhu

3A COMPUTER SCIENCE · ARTIFICIAL INTELLIGENCE OPTION

256 Phillip Street, Waterloo, Ontario, Canada

☎ (+1) 416-823-8872 | ✉ jackzyc1997@gmail.com | 🏠 www.jackzhuhack.space | 📷 YuchenZhu | 🌐 YuchenZhu

## Summary

University of Waterloo 3A student working towards a Bachelors Degree in Computer Science with current GPA of 86. Quick learner of new technology with strong technical, business, and interpersonal skills. Passionate team player with hands-on experience in object-oriented programming and Java web development.

## Work Experience

### Desire2Learn

Kitchener, Ontario

SOFTWARE DEVELOPER

May, 2018 - August, 2019

- Designed and developed features for the Brightspace Data Platform (**event-driven lambda architecture using AWS** supporting 1000+ events per second)
- Implemented performance testing and improvements for real-time analytics dashboards.
- Debugging and testing the **token-based authentication** system to maintain web security.
- Worked on mapping the java objects to relational database and SQL queries to fetch the data from the database.

### Altairix Software Inc

Toronto, Ontario

SOFTWARE DEVELOPER INTERN

Sep. 2018 - Dec. 2018

- Work effectively with senior developers to manage complex design project for corporate clients.
- Design and implement Java batch job for data importing.
- Participate in Java web application developing/testing/debugging.
- Participate user interface development on Android studio.

## Technical Skills

PROGRAMMING LANGUAGE, OS AND OTHER TECHNICAL SOFTWARES:

- Programming Language: **C/C++, Java, JavaScript.**
- Proficient with **Xcode/Android Studio** and IOS/Android application developing process.
- Experience with **MySQL** as backend Database and used **JDBC** for querying.
- Experience with developing interactive web application using **Node JS** a pure javascript application frame work.

## Education

### University of Waterloo

Waterloo, Ontario

CANDIDATE FOR HONOURS BACHELOR OF COMPUTER SCIENCE, CO-OPERATIVE PROGRAM

Sep. 2016 - Present

- 1A, 1B Term, Excellent Academic Standing, Term Dean's Honours List
- Teaching Assistant for Math 135, 2019

## Notable Projects

### Course Recommender

SIMPLE ML BASED COURSE RECOMMENDING SYSTEM

June, 2019

- Provide customized recommendations for students based on history enrollment data.
- Used Netflix movie recommending system as a reference.
- Used **AWS SageMaker** to build the machine learning workflow.
- Used **Python3** for importing database and retrieving desired columns.

### MineSweeper Game on IOS

UPLOADED ON GITHUB, READY TO UPLOAD TO APP STORE

Jan 2018

- A minesweeper game with sound effect and difficulty selection, playable on IOS devices.
- Designed and Implemented on **IOS11** and **Xcode9** using self-studied **Swift** programming language.
- Commended for Apple application development and self-learning skills.

### Online Portfolio: www.jackzhuhack.space

PERSONAL WEBSITE

Oct. 2017

- Designed and coded in **HTML5/CSS/Javascript.**
- Commended for user interface designing and web-site development skills.