

# Eric Wang

ejwang@edu.uwaterloo.ca • 416-908-1859

Website: <https://the-ericwang35.github.io> • Github: the-ericwang35

## EDUCATION

### University of Waterloo

CANDIDATE FOR BACHELOR OF  
HONOURS COMPUTER SCIENCE  
2016 - Present | Waterloo, ON

## SKILLS

### Languages

- Java, Python, Ruby, C, C++,
- JavaScript, Node.js, HTML, CSS
- SQL

### Frameworks & Libraries

- React, Redux, jQuery
- Ruby on Rails, Express.js
- Spring MVC

### Tools

- PostgreSQL, MongoDB, MySQL
- Android Studio
- Firebase
- Heroku, Microsoft Azure
- Docker
- Git, Linux

## COURSEWORK

### Undergraduate

- Object Oriented Programming
- Elementary Algorithm Design  
& Data Abstraction
- Data Structures & Data  
Management

### Self-Learning

- Algorithms I, Stanford University
- Node with React: Fullstack  
Web Development, Udemy
- Developing Android Apps,  
Udacity

## AWARDS

- 1st place at Hack the Valley 2018
- 2nd place at Hack the 6ix 2017
- 3rd place at MSFTHacks 2017

## EXPERIENCE

### Software Engineer | RITUAL TECHNOLOGIES INC

September 2018 - December 2018 | Toronto, ON

- Developed new merchant analytics portal using [Java](#), [MySQL](#) & [Google Protobufs](#), which launched to [over 10,000](#) restaurants
- Integrated instant messaging into flagship Android app using [Java](#), [Firebase](#) & [RxJava](#), allowing user interaction within app
- Utilized [Docker](#), [Node.js](#), [React](#) & [Swagger](#) to launch a web application that visualizes over [30 gRPC](#) API endpoints

### Software Developer | SCOTIABANK - RISK TEAM

January 2018 - April 2018 | Toronto, ON

- Developed a [log analysis](#) application to provide real-time monitoring of batch jobs using [JavaScript](#), [Chart.js](#), [Java](#) & [PostgreSQL](#), reducing failed runs by [25%](#)
- Wrote backend processes in [Python](#) & [Java](#) to analyze trade simulations, helping analysts make informed decisions

### Software Developer | ONTARIO MINISTRY OF EDUCATION

May 2017 - August 2017 | Toronto, ON

- Optimized data sync batch jobs by updating batch steps written in [Java](#) & [Spring Batch](#), increasing speed of jobs by [30%](#)
- Created & launched administrative web portal one week ahead of schedule using [Java](#), [SQL](#), & [Spring MVC](#)

## PROJECTS

### UWRanks.com

GITHUB: [UWRANKS](#)

MARCH 2018 - PRESENT

- Developed a [social network](#) in [Ruby on Rails](#) with [over 2,000](#) users that helps students interactively rank co-op jobs
- Used [PostgreSQL](#), [Redis](#), [AJAX](#), & [WebSockets](#) to integrate posts, comments, instant messaging & email notifications

### Removio

GITHUB: [HACKTHE6IX](#)

AUGUST 2018

- Won [2nd place at Hack The 6ix](#) by creating an [Android](#) app that automatically removes moving objects from images in [2 clicks](#)
- Processes pictures in [under 3 seconds](#) through an image stabilization algorithm written in [Java](#), [Python](#), & [OpenCV](#)

### Sign Language Translator

GITHUB: [SIGN-LANGUAGE-TRANSLATOR](#)

FEBRUARY 2018

- Won [1st place at Hack the Valley](#) for best use of Microsoft Azure by creating a sign-language translator using a Leap Motion Sensor, [Node.js](#), & [Microsoft SQL Server](#)
- Trained a classification model using Azure's [Machine Learning Studio](#) to recognize signs based on a user's hand positions