

# ZEQI CUI

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## EXPERIENCE

### Co-Founder, NeuroGate, First place, IMAGINE CUP CANADA 2017

- 1<sup>st</sup> in Canada, 4<sup>th</sup> in World. Featured on [BetaKit](#), [WaterlooChronicle](#), [TechCrunch](#).
- Used Kinect SDK, Azure SQL DB and ML (multi-class neural network) to diagnose patients and track progression of neurodegenerative diseases from gait abnormalities.

### Software Developer, theScore from May to August 2017

#### SquadUp Team (Core)

- Designed schemata and migrated backend for awards, comments and jackpot system for contests and user accounts. Improved 40-week retention rate to 7.6%.

#### Sports Team (Core)

- Optimized ElasticSearch by boosting highest subscription count in sports leagues
- Improved sports GraphQL API by exposing multiple attributes for client development and cutting down on n+1 queries.

### Software Developer, BlackBerry from September to December 2016

- Modularized internal APIs and integrated WeChat and Telegram into BlackBerry Hub's infrastructure, shipped globally.

### Software Developer, QUS from January to April 2016

- Independently structured server-side automation algorithms, reducing manual assigned orders by 70%, processing through 1500+ orders per day.

### Founder & Developer, SteveLuka from March 2015 to Sept 2016

- Developed private clientele galleries in javascript, html and css to allow clients to view pictures weeks in advance

## PROJECTS // [www.github.com/zeqicui](http://www.github.com/zeqicui)

### Arrow A.I., Microsoft Prize, HACK HARVARD 2016

- Leveraged the Azure cloud and machine learning to detect early progression of Huntington's disease by using a leap motion sensor.

### WhereNow, Published on GOOGLE PLAY STORE

- Used Firebase, Facebook API and Google Maps API for storing and locating real-time events happening within-the-hour based on user location.

### Neighbourfoods, Most Promising Future Start-up, NHACKS 2016

- Established a client-server architecture using Java and PHP for a food-listing app like Yelp and Uber Eats but for home stay-in dining only.

## SKILLS

Java, Python, Ruby  
C, C++, C#

JavaScript ES6  
HTML, CSS (SASS)  
Bootstrap

Rails  
React.js, Node.js  
ElasticSearch, GraphQL  
PostgreSQL, MS SQL

## TOOLS

Git, SVN  
Jira, Asana

Android Studio,  
Visual Studio

AWS, Azure  
Google Cloud  
Firebase

OSX, Linux, Windows

## PRACTICES

A strong believer of TDD  
Pair Programming  
Code Review

## AWARDS

Langstaff Computer  
Engineering Award  
(2015)

Langstaff International &  
Business Commerce  
Distinction  
(2015)

University of Waterloo  
Math Cayley - Silver  
(2013)

## EDUCATION

University of Waterloo  
Computer Engineering  
Expected April 2020

## OTHER

Currently a Microsoft  
Student Partner