

Zeqi Cui

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EXPERIENCE

Microsoft, Software Engineering Intern Jan – Apr 2018

- Azure SQL Data Team. Delivered a high performant [Apache Spark to SQL DB connector](#) in Scala. Allowing users to execute queries, load dataframes and bulk-copy tables up to 10x faster vs. the default Apache Spark connector.

theScore, Software Developer Intern May – Aug 2017

- Improved the sports GraphQL and REST API by exposing multiple game statuses for client-side development and cutting down on redundant queries.
- Optimized Elastic search engine by boosting highest league subscriptions.

BlackBerry, Software Developer Intern Sep – Dec 2016

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

QUS, Software Developer Intern Jan – Apr 2016

- Deployed automation algorithms to reduced manually-assigned insurance orders by up to 70% based on location, nurses and insurance order types.

SteveLuka, Web Developer Mar – Sep 2015

- Developed private clientele galleries in JavaScript, HTML and CSS, allowing clients to view their wedding pictures weeks in advance.

PROJECTS

github.com/zeqicui

NeuroGate, 1st place in ImagineCup Canada 2017, 4th in World Finals

- NeuroGate is featured on [BetaKit](#), [WaterlooChronicle](#) and [TechCrunch](#).
- Developed using machine learning and Kinect to diagnose patients and track progression of neurodegenerative diseases from gait abnormalities.

Arrow A.I., 1st place, Microsoft Prize, Hack Harvard 2016

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

WhereNow, Published on Google Play Store

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

Education

University of Waterloo
3A Computer Engineering
Graduating April 2020

Skills

Java, Scala, Python
C++, C

Spark
ElasticSearch
iOS / Android
Ruby on Rails
GraphQL
SQL

Tools

Git, TFS
Jira, Asana

AWS, Azure
Google Cloud

Awards

Langstaff Computer
Engineering Award (2015)

Langstaff International &
Business Commerce
Distinction (2015)

University of Waterloo
Cayley, Silver (2013)

Interests

Database / Backend
Distributed Systems
Cloud Computing