

Eddie Zhang

Email: enzezhan@buffalo.edu Cell Phone: 716-730-9447
personal website: <http://www.acsu.buffalo.edu/~enzezhan/>
Address: 4285 Chestnut Ridge Rd, Apt D-3, Buffalo, NY, 14228

Objective:

To search for a responsible position within a progressive organization offering developing and analyzing opportunities in Informational Technology fields.

Education Background:

09/2015— Present **University at Buffalo:** Buffalo, New York
Degree: Master of Science: Geographical Information Science
GPA: 3.92

09/2011— 06/2015 **China University of Geosciences:** Wuhan, China
Degree: Bachelor of Engineer: Geographical Information System
GPA: 3.6
Graduation Project: Hadoop Based Sina Microblog Hot Topic Detection and Space-Time Analysis

Professional Experience

- 06/2016-08/2016 **Software Engineer Intern--** Zmap Technology Corporation, Wuhan, China
- As part of the core developing team, collaborated with other programmers and product manager to design and implement reliable and sustainable web GIS products
 - Solved problems within existing software to correct errors, optimize interface and improve performance
 - Used JavaScript with cutting-edge frameworks to develop front end applications that follow industry-standard design patterns and used Java to develop the backend and the management of database
- 10/2015 – 06/2016 **Research Assistant--** National Center for Geographical Information Analysis, Buffalo, NY
- Performed statistical analysis on large amount of smartphone survey data to extract useful insights involving users' health condition and contact behaviors
 - Applied spatial clustering methods on indoor and outdoor sensor data to understand mobility patterns
 - Designed and built contact network model to identify the potential transmission pattern of influenza
- 10/2013 – 04/2015 **Research assistant--** China University of Geosciences – Wuhan, China
- Designed, implemented, tested, deployed and maintained the core components of the online courses selection website for China University of Geosciences
 - This website has been serving almost 20000 students and teachers in the university, offering a much more convenient and efficient way to finish the physical fitness test for both students and teachers

SKILL HIGHLIGHTS

- Proficiency in Java, JavaScript, HTML5, Python, C++, C#, SQL
- Hands-on experience with JQuery, AngularJS, Bootstrap, Hadoop, ArcObject, ArcGIS Server
- Skilled knowledge of MySQL, PostgreSQL, SQL Server, Tomcat, Unix/Linux, Gephi, Dreamweaver, PhtotoShop, ArcGIS, Data Warehousing and Distributed Computing
- Expertise in data structure and algorithms, quantitative research, mapping and spatial data analysis