

Haoyi Xiong
380 Joe McCarthy Drive
Amherst, NY 14228
+1-716-445-5291
Email: haoyixio@buffalo.edu

Education:

Sep, 2012 – Present **University at Buffalo**, Buffalo, NY

Master of Science, Geography

Geography Department, GPA: 4.0

Sep, 2008 – Jul, 2012 **Wuhan University**, Wuhan, China

Bachelor of Engineering, Geodesy and Geomatics

School of Geodesy and Geomatics, GPA: 3.2

Sep, 2008 – Jul, 2012 **Huazhong University of Science and Technology**, Wuhan, China

Bachelor of Engineering, Computer Science & Technology

School of Computer Science & Technology, GPA: 3.1

Experience:

Dec, 2012 – Present GeoWEPP software development for ArcGIS 10.1

- Designing UML Diagram as development plan
- Developing GeoWEPP core functions in ArcMap with C# .NET and VB.NET
- Cooperating in developing GeoWEPP Windows UI and testing software with C# .NET
- Software maintenance and improvements based on user feedback

Nov, 2012 – Dec, 2012 Hurricane Sandy Damage Assessment

- Responsible for assessment of hurricane damage to buildings and social media positioning

Apr, 2012 – May, 2012 “Digital Campus” project for Wuhan University

- Vectorizing map of university with Geocoding and using Sketchup and Photoshop to build 3D objects to import into ArcCatalog.
- Designing and developing ArcScene GUI with ArcEngine to display 3D vision Campus.

Jul, 2011 – Sep, 2011 Land use management project for Putuan Country

- Designing and implementing database system for budget statistics. Using SQL Server for database development and Visual Studio for Windows UI development.
- Using process, event and cursor to implement data processing in database.
- Responsible for leading team to design the plan for land resource management in AutoCAD

Skills:

- Proficient in C#, SQL, Python, VB, experience in, ASP.NET, html, assembly language
- Proficient in software development with Visual Studio, database development with SQL Server.
- Proficient in ArcGIS 10.x Desktop, and ArcObjects SDK for .NET
- Experience in AutoCAD 20xx, and ArcEngine 9.3

Projects

- College Conquest Game (similar as Game Risk) development.
- Land suitability analysis for AT&T cell tower with C#. NET programming
- Creating database for Geo-statistics with SQL Server and developing GUI with ArcEngine for user data processing
- Chat Room Webpage development for class webpage with ASP.NET