

EMPLOYMENT

Developer Support – ESRI

Sep 2014 – Now

- Identify, understand, and recommend solutions for customer issues by means of ArcGIS technologies and provide workflows and sample codes to enterprise clients.
- Build strong ecosystem for developer by working with developer communities, writing technical blogs, reviewing docs and feedbacks from beta site.
- Document technical issues through incidents, knowledge articles, and submitting software defect and enhancement requests.
- Subject Matter Expert in ArcGIS JavaScript API, Web AppBuilder, ArcGIS Server Object Extension (SOE) and REST/SOAP API.
- Participated in recruiting events to educate students about ESRI and ArcGIS platform at California State University.
- Represented Esri in Hackathon Events to encourage and guide developers to use ArcGIS Technologies.
- Presented at ESRI User Conference 2016 on topic of extending Web AppBuilder by creating customized widgets.

GIS Web Developer – GeoDecisions at Gannett Fleming, Inc.

Feb 2013 – Aug 2014

- Built highly usable GIS applications using the latest technology including ArcGIS API for JavaScript, ArcGIS API for Silverlight, JQuery, bootstrap, Oracle and ASP.NET.
- Responsible for completing development tasks, assisting with project requirement gathering, testing and debugging the solutions modules, troubleshooting application and server problems.
- Worked as core developer on United Arab Emirates National Crisis and Emergency Management System and accomplished 85% GIS web functionalities.
- Maintained Database tasks including: creating spatial enabled enterprise databases, data preprocessing, creating stored procedures, editing and manipulating spatial data, developing data layers projects and creating scheduled database tasks.

GIS Web Development Intern – ESRI

Jun 2012 – Sep 2012

- Developed the front end of national mapping agency site, which implemented the production mapping function using JavaScript API and Dojo Toolkit on the client side.
- Created PyUnit test cases, improved 30% test coverage and revealed bugs of ArcMap Desktop.

PROJECTS

Winner of UCI data Hackathon - the Blackstone Launchpad Best Startup Award.

May 2016

- Developed a website which helps local business to make marketing decisions by taking advantages of mobile data.
- Designed and developed the front end by using bootstrap, jQuery and dojo.

Development of EWDA 10.4 ESRI Technical Certification Exam

Apr 2016

- Participated as a Subject Matter Expert in the development of the ESRI Web Application Developer Associate certification.

National Crisis and Emergency Management System (JavaScript, HTML/CSS, C#, MVC)

Mar 2013 – Aug 2014

- Developed an emergency management system for responding to emergencies and managing/allocating emergency resources.
- Implemented 80% functionalities for the interface by taking advantage of ArcGIS API for JavaScript, including Search widget, Directions widget, Draw widget and the emergency resources management page etc.
- Implemented the backend functionalities for retrieving data from the stored procedure in the database, and prepare that data for front end interactions.
- Created stored procedures in oracle database and applied it into the application.
- Fixed the bugs, and suggested enhancements.

Research Assistant – The Wharton School of the University of Pennsylvania

Oct 2012 – Dec 2012

- Developed a bidding software independently in Java/J2ME which improved the efficiency of price competition.
- Implemented the open/seal auction algorithm using Java Wireless Toolkit on CLDC platform.
- Performed text parsing, file storage, and periodic messaging with SMSLib API on GSM modem.

EDUCATION

University of Pennsylvania

Philadelphia, PA

- Master of Urban Spatial Analytics

May 2012

Wuhan University of Technology

Wuhan, China

- Bachelor of Geographic Information System (GIS)

July 2011

SOFTWARE SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, jQuery, bootstrap, Java, C#
- **Technologies:** ESRI ArcGIS technology stack, Microsoft Visual Studio, Adobe Flash Builder, Eclipse.

HONORS

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|---|------|---------------------------------------|------|
| • GeoDecisions Overachiever Award (companywide) | 2013 | • Volunteer of U.S. Geological Survey | 2012 |
| • Student Association Committee Representative | 2010 | • Chinese National Scholarship | 2009 |

Certifications

- Web Application Developer Associate (EWDA 10.2)
- Feb 2015