

EMPLOYMENT

Developer Support – ESRI

Sep 2014 – Now

- Identify, understand, and recommend solutions for customer issues and provide workflows and sample codes to enterprise clients by means of ArcGIS technologies including ArcGIS API for JavaScript, Web AppBuilder for ArcGIS, ArcGIS Server Object Extensions(SOE), REST/SOAP API as well as ArcGIS Runtime SDK for Java.
- Document technical issues through incidents, knowledge articles, and submitting software defect and enhancement requests.
- Build strong ecosystem for developer by working with developer communities, writing technical blogs, reviewing docs and feedbacks from beta site.
- 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 80% GIS web functionalities.
- Maintained Database tasks including: creating spatial enabled enterprise databases, data preprocessing, creating stored procedures, editing and manipulating spatial data.

GIS Web Development Intern – ESRI

Jun 2012 – Sep 2012

- Developed user interface of national mapping agency site.
- Implemented the production mapping function using ArcGIS API for JavaScript and Dojo Toolkit on the client side.
- Created PyUnit test cases, improved 30% test coverage and revealed bugs of ArcMap Desktop.

EDUCATION

University of Pennsylvania - Philadelphia, PA

May 2012

- Master of Urban Spatial Analytics(GIS)

Wuhan University of Technology - Wuhan, China

Jul 2011

- Bachelor of Geographic Information System (GIS)

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 (JavaScript, HTML/CSS, C#, MVC)

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.
- JIRA ticket bugs fixing, 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.

SOFTWARE SKILLS

- Programming:** HTML, CSS, JavaScript, jQuery, Bootstrap, Dojo, 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