

Matthew Foster Callahan



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MFC

Summary

Hi, my name is Matthew Callahan and I am a software developer in Phoenix, Arizona. I focus on Microsoft .NET development and data analysis in a GIS environment, and I enjoy learning and working with the ever-changing landscape of computer hardware and software. Here are some technologies, development tools, and languages I currently use: Windows Server, Microsoft Azure, SQL Server, IIS, Git, Visual Studio, ASP.NET MVC, Entity Framework, OWIN, JavaScript, jQuery, AngularJS, KnockoutJS, AJAX, Bootstrap, ArcGIS, Alteryx, MapInfo.

Education

University of Wisconsin-Madison
Bachelor of Science, Geographic Information Science — 2007

Experience

Application Developer, CBRE
Phoenix, AZ — 2015 - Present

I am currently an Application Developer at CBRE, and focus primarily on web development and GIS analysis. I use a Microsoft and Esri stack (Windows Server, IIS, SQL Server, Visual Studio, C#, ASP.NET MVC, ArcGIS Server, ArcGIS Online) to build modern web applications that deliver spatial data and mapping resources to service real estate brokers and their staff.

GIS Specialist, CBRE
Phoenix, AZ — 2011 - 2015

I was promoted to GIS Specialist to focus on web and desktop development. While in this hybrid GIS/programmer position, I assisted in directing an enterprise GIS deployment while performing these duties:

- Developing software for GIS analysis (ASP.NET MVC, Python, MapBasic)
- Maintaining and updating legacy ASP.NET MVC applications
- Receiving data from vendors and maintaining a GIS data repository
- Performing advanced spatial data analysis (Alteryx, MapInfo)
- Advising on high level software architecture and best practices

GIS Technician, CBRE
Phoenix, AZ — 2008 - 2011

My primary responsibility as a GIS Technician at CBRE was acting as the contact for six city or regional markets, providing cartographic and demographic materials for commercial real estate analysis. The GIS consultation I provided to brokers and other staff afforded them the ability to make well informed decisions and provide the best possible service to their clients. Secondary responsibilities included researching and maintaining spatial data, and providing technical support to employees and clients using GIS software.

GIS Technician, City of Sun Prairie
Sun Prairie, WI — 2007 - 2008

Primary responsibilities included spatial database management, GPS data collection and post processing, and data analysis. Major projects included city wide sanitary sewer and water system inventory, vehicle crash analysis at problematic intersections, and storm water flood analysis.