

Bryan J. Smith

Junior Mobile Developer

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EDUCATION

University of Michigan, B.S.E., Civil & Environmental Engineering
Xamarin University, Xamarin Certified Mobile Developer

December 2014
January 2016

PROGRAMMING

Xamarin

04/2016-Present

- Completed Xamarin University courses in C#, Xamarin.Android, Xamarin.iOS, and Xamarin.Forms from April 1, 2016 through April 23, 2016, and received Xamarin Certification for Mobile Development.
- Completed and shipped an Android app, Employr, built on Xamarin.Forms and developed from April 1, 2016, through April 23, 2016 for display at Xamarin Evolve 2016. Currently developing the iOS counterpart to be shipped in the App store.
- Exposure to additional languages including C++, Fortran, Matlab, XAML, and HTML through undergraduate and graduate level classes, as well as self-teaching during educational and professional careers.

WORK EXPERIENCE

OHM Advisors, Inc.

01/2015-04/2016

Graduate Municipal Engineer

- Performed engineering reviews of private developments for municipal government clients, verifying proposed construction plans for adequate engineering design. Typical review material includes sanitary sewer, water main, stormwater management, and pavement design, culminating in a letter of recommendations for clients.
- Lead project engineer for multiple in-house infrastructure design projects for municipal clients, ranging in size and cost from neighborhood pathways (\$50,000) to sanitary sewer analysis (\$500,000) to roadway reconstruction (\$1,000,000). Performed minor project management and contract administration for clients including drafting contract documents, assisting construction teams with design questions, and performing project change orders.

ENGINEERING ACTIVITIES

University of Michigan Steel Bridge Team

08/2011-Present

2015 Advisor, 2014 Captain, 2013 Co-Captain

- Project manager, design lead, and technical director on 2014 team. Responsible for, structural design, bridge fabrication, and oversight of team operations including fund raising, recruiting, and team organization, resulting in 2nd place in the North Central Conference and an invitation to the National Student Steel Bridge Competition.
- Led re-organization of 2014 team structure, operations, and recruiting methods resulting in overhauled design, fabrication, and construction sub teams. Team structure has been maintained and expanded on by the 2015 and 2016 teams.
- Developed new welding process utilizing precision milled jigs to enhance fabrication quality and accuracy, implemented by the 2015 team, resulting in welding time reduction and significantly improved fabrication precision.

Technical Skills

08/2009-Present

- Proficient with Xamarin.Forms and UI layout through both XAML and code, as well as working knowledge of Xamarin.Android and Xamarin.iOS.
- Self-taught knowledge of CNC (computerized) machining and hand machining, and capable welding knowledge.
- Proficiency in a wide array of engineering programs including extensive knowledge of AutoCAD Civil 3D as well as performing knowledge of SolidWorks, structural analysis program RISA-3D, and finite-element analysis program Abaqus.



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