JOHN ARENA III Web & Software Developer

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Technical Skills

- C#
- JavaScript
- HTML & CSS
- SQL

- Git
- jQuery
- Node.js
- AngularJS

- Xamarin
- Unity3D
- Bootstrap
- WinForms

Experience

Freelance Developer, EvilWizardStudios.com (2013 - Present)

Unity3D Developer Assets
- Developed a procedural generation toolkit that employs depth- and breadth-first tree traversal.
- Published a weighted selection provider that exploits binary tree selection for very large sets.
- Currently maintain an open-source library that implements Bootstrap functionality within Unity.

Retirement Plan Advisors
- Produced visual assets and a brand style guide for a proprietary client account management tool.

Personal Open-Source Projects
- Used jQuery and the HTML5 canvas to render output from a 2D tessellation algorithm.
- Wrote a WinForms taskbar app that uses the Imgur API to automatically upload screenshots.

Copy Editor (Contracted), **TwoWayTrans.com Translation Services** (2014-2016)
- Wrote word processor macros that used regular expressions to find common translation errors in thousands of national newspaper articles and official government documents.

Native English Educator, Jeongsang Language School (2013-2015)
- Worked with dozens of end-users to analyze and identify teacher workload issues.
- Developed and deployed a software tool that dramatically reduced workload through automation.
- Investigated tool usage to find usability problems, and resolved them through further software iteration.

Elementary Native English Educator, Cheongchonam-do Office of Education (2011-2013)
- Taught English as a second language to Korean elementary school students.
- Volunteered as an English teacher for adult North Korean refugees.

Service Desk Consultant, UIC Academic Computing and Communications Center (2011-2009)
- Remotely troubleshooted hardware, software, and University web services.

Education

University of Illinois at Chicago ● **Bachelor of Arts in Psychology** (2011)
- Member, Eta Sigma Phi Latin Honors Society (2008-11)
- Recipient, Student Leadership Award (2010)

Alpha Phi Omega National Service Fraternity ● **President** (2010-11) **Pledge Educator** (2009-10)
- H. Roe Bartle Chapter of Excellence Award (as presiding officer; 2010-11)
- Recipient, Distinguished Service Key (2011)