JOHN ARENA III
SOFTWARE DEVELOPER

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SKILLS

LANGUAGES

C# ★★★ JavaScript ★★☆ HTML ★★★ CSS ★★★ SQL ★☆

TECHNOLOGIES

- Git
- Node.js
- AngularJS
- jQuery
- Bootstrap
- Visual Studio
- Xamarin
- WinForms
- Photoshop
- Illustrator
- Cinema4D
- Unity3D

RELEVANT EXPERIENCE

OPEN SOURCE

FLAT EDITOR

A full-featured standalone UI toolkit for Unity Asset developers. Written in C#, it is a ground-up recreation of most of Bootstrap's functionality for the Unity editor.

TRIXELATOR

An image manipulating single-page web app. It uses jQuery to analyze and re-render an image in an HTML5 canvas, with user controls presented in a modified Bootstrap front end.

IMGRUBER

A small WinForms taskbar app that uses the Imgur API to upload screen crops and pushes a workflow-appropriate URL to the clipboard. Imgruber reduces the screenshot-to-URL time from over a minute to under six seconds.

OOL

A game jam entry, made in Unity and C#. Concept to playable game in 13 days.

CLOSED SOURCE

SMITHY

A procedural generation framework for the Unity engine, it allows developers to build assets by defining node trees in Unity's editor. Smithy utilizes depth- and breadth-first tree traversal to generate complex self-assembling objects.

JLS HOMEWORK UTILITY

A WinForms utility built for a South Korean English academy, it uses Linq-ToExcel and Coffey's DOCX library to write Microsoft Word files suitable to print. It supports multiple languages and older versions of Windows.

SELECTIONATOR

A C# utility that provides weighted random selections via binary trees. Selectionator allows for very fine selection weight manipulation by relying heavily on interfaces and generic typing.

EDUCATION

UNIVERSITY OF ILLINOIS AT CHICAGO

Bachelor of Arts in Psychology (2011)
- Writer of Distinction UIC Department of English (2008)
- Member, Eta Sigma Phi Latin Honors Society (2008-2011)
- Recipient, Student Leadership Award (2010)

ALPHA PHI OMEGA INTERNATIONAL SERVICE FRATERNITY

Pledge Educator (2009-2010), President (2010-2011)
- LAUNCH Leadership Development Program Certification (2010)
- H. Roe Bartle Chapter of Excellence Award (as presiding officer; 2010, 2011)
- Recipient, Distinguished Service Key (2011)