# JOHN ARENA III

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# -SKILLS

**LANGUAGES** 

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

**TECHNOLOGIES** 

- Git jQuery
- Node.jsBootstrapAngularJSVisual Stud
  - BootstrapVisual StudioWinFormsPhotoshop

Xamarin

- Illustrator
- Cinema4DUnity3D

# -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 depthand 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)