

# Yi Fei Xue

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<http://kxue.github.io>

Computer science student with an appetite for graphics

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## Summary:

**Experienced** with JavaScript, Java, Python, C# and Objective-C, HTML and CSS mainly for front end development

**Familiar** with C/C++, GLSL, basic graphics concepts and Unix/Linux environments

## Personal Projects:

### WebGL ECS175:

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*: course*

**Generated** and displayed scenes using meshes, splines and curves in WebGL

**Increased** framerate by reducing JS overhead

### Yodown:

*me*

**Designed** MVC structure

**Implemented** server calls

**Debugged** backend JS code

### Personal Website:

**Created** transitions using CSS using JS to detect onclick events

## Work:

### BrainStation: — Teaching Assistant

*15*

**Taught** high school students basic web development (HTML, CSS, Bootstrap, JS) and guided them in developing professional websites (example 1, example 2)

**Identified** and fixed over 15 curriculum material errors. Of which, at least 10 were misleading or causes errors when copied.

**Lead** customized extra lessons for more advanced students covering animations and some programming, satisfying more students

### Ignis Innovation: — Software Co-op

*April 2015*

**Developed** image data visualization tools using custom shaders to maximize control and speed

**Improved** software and hardware development speed by implementing custom build tools, header generation, unit tests and check scripts

### Monolith Interactive: — Junior Software Developer

*14*

**Designed** apps both natively and using Phonegap based on client specifications

**Presented** weekly demonstrations showing app progress

**Added** features beyond the limitations of web applications

## Education:

Candidate for Bachelor of Computer Science  
Ontario Secondary School Diploma Don Mills CI