Yi Fei Xue

Computer science student with an appetite for graphics

yf3xue@uwaterloo.ca
226-978-2069
http://kxue.github.io

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:

ions for
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

pril 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