

LIAM CALLANAN

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KNOWLEDGE

Expert	Java	JavaScript	HTML5	CSS
Advanced	C++	Node		
Intermediate	Python	OpenGL	GLSL	
Beginner	PHP			

EXPERIENCE

UI Engineer Intern – LinkedIn

Summer 2017

Implemented consumer-facing web applications using the Ember-CLI framework. The development process fully utilized ES6 JavaScript standards as well as SASS, HTML5, and Git version control.

Software Developer – Riperian

2014 - 2016

Led a team of 3 developers to build a comprehensive system to analyze Bureau of Labor & Statistics Consumer Expenditure data sets in R.

Developed dynamic form generators using HTML, CSS, jQuery and Angular along with UI plugins such as jQuery UI and Bootstrap. The forms provide immediate feedback with dynamic prompts, taking advantage of Bootstrap to work on both mobile and desktop devices.

Technical Support – Innovative Sourcing Group

Summer 2014

Provided technology support and help build social media pages for the company ISG. Support included both software and hardware maintenance/installation. Additional work included website modifications using Umbraco, and creating a business calendar that automatically synced on multiple computers using both iCloud & Google Calendars.

EDUCATION

Brown University – Senior – B.S. in Computer Science

2013 - Present

Invited by Professor Andries Van Dam to shadow Brown University students working on a program called Touch Art Gallery. The program is a Microsoft Windows 8 application written in JavaScript and HTML. It allows users to interact with art pieces normally too large to display in person on a tablet device.

Attended courses on software engineering, discrete structures/probability, 2D game engines, computer graphics (OpenGL, GLSL, G3D), computational linguistics, cybersecurity, and computer systems (C, x86).

2 years of Chinese at Barrington High School

2 years of Chinese at Brown University

AWARDS

American Computer Science League – All-Star Contest – Senior-3 Division

3rd Place Team in 2014

Fitchburg State University Programming Contest Award

2nd Place Team in 2012, 1st Place Team in 2013