

KEVIN LUONG



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Skills

Languages

JavaScript, HTML, CSS, Python, Jade, C#, C++

Libraries

jQuery, Ember.js, Node.js, Express, AngularJS

Projects

GraphCat

A visualization tool for comparing movie ratings

An Express backend asynchronously calls multiple APIs using the search queries and dynamically renders the information to the webpage using Jade.

Challenges: handling multiple asynchronous calls, 403 errors in rendered images, manipulating information between backend and front end.

Rov

DementiaHacks 2015, an iBeacon tracking app for use in hospital

The signal strength between a Raspberry Pi and three LightBlueBeans is used to triangulate the position of the Pi and plotted using JavaScript.

Challenges: translating Bluetooth signal strength to position, initializing hardware with limited storage, filtering raw flow of information.

Experience

Smart

Technologies

Sept. 2016

- Dec. 2016

Software Engineering Intern

Implemented features in a collaborative, real time online whiteboard platform from start to finish including design and scoping, development and testing.

Lead JavaScript development of an educational game in a three-week intern project

Worked in a team of testers and developers to meet a strict weekly push schedule

Natus Medical

Sept. 2015

- Dec. 2015

Engineering Coop

Tested unreleased electroencephalogram (EEG) systems in an internal validation to discover and log errors to be corrected in future prototypes.

Wrote detailed analytical reports summarizing test data and provided recommendations to management if new models were ready for production.

Education

University of Waterloo

Sept. 2014

- Present

Candidate for Bachelor of Applied Science in Systems Design Engineering

Maintained an 83% average over two terms of study

Relevant coursework:

- Data Structures and Algorithms - Trees, recursion, searching, and sorting
- Digital Computation - C# basics and introduction to programming
- Digital Systems - Combinatorial logic, binary logic and computer architecture