KEVIN LUONG

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kevinluong96

Skills

Languages	JavaScript, HTML, CSS, Python, Pug, C#, C++
Libraries	Ember.js, Node.js, Sinon.JS, Mocha, Express, AngularJS

Experience

Smart Technologies
Sept. 2016 – Dec. 2016

Software Engineering Intern
Designed, implemented and tested features in a collaborative whiteboard platform improving lesson flow and student interaction for thousands of users worldwide.
Led web development of a project involving the end to end creation of a polished educational game to be shipped in Q1 2017 using CSS, HTML and modular JavaScript.
Worked in a team of testers and developers to meet a strict weekly push schedule.

Natus Medical
Sept. 2015 – Dec. 2015

Engineering Coop
Directed formal testing session 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.

Projects

GraphCat
May 2016

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.

Rov
Nov. 2015

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 signal strength to position, filtering raw flow of information.

Education

University of Waterloo
Sept. 2014 – Present

Candidate for Bachelor of Applied Science in Systems Design Engineering
Maintained an 83% average over three terms of study.
Relevant coursework:
- Data Structures and Algorithms – Trees, recursion, searching, and sorting.
- Digital Computation – Software development & design, OOP in C#.
- Digital Systems – Combinatorial logic, binary logic and computer architecture.

Interests	Reading, men's fashion, NFL, NBA, movies, foosball, board and video games.