

KEVIN LUONG

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Skills

Languages Experience in JavaScript, HTML, CSS, Python
Familiar with Jade, C#, C++

Libraries jQuery, Node.js, Express, AngularJS

Tools AJAX, git, npm, Gulp

Projects

- GraphCat** **A visualization tool for comparing movie ratings**
May 2016 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**
Nov. 2015 The signal strength between a Raspberry Pi and three LightBlueBeans is used to triangulate the position of the Pi and plotted using JavaScript.
Lead the hardware aspect of the project by initializing, coordinating and linking microcontrollers to create a continuous communication stream
Challenges: translating BlueTooth signal strength to position, initializing hardware with limited storage, filtering raw flow of information.
- Lights** **An app interfacing an Arduino webserver controlling houselights**
Apr. 2016 Light information status is retrieved and updated using calls to an AJAX webserver, the response is used to update the UI.

Experience

- Natus Medical** **Engineering Coop**
Sept. 2015
- Dec. 2015 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 whether new models were ready to pass into production or not.
Managed testing team in executing over 35 testing plans to meet strict deadlines for major and minor patch releases.

Education

- University of Waterloo** **Candidate for Bachelor of Applied Science in Systems Design Engineering**
Sept. 2014
- Present Estimated graduation in April 2020, formerly Biomedical Engineering class of 2019
Maintained an 83% average over two terms of study in Biomedical Engineering