

Kevin Luong



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Skills

Languages JavaScript, Python, C#, C++ , HTML, CSS, Pug
Libraries React, React-Redux, Ember, Mongoose, Sinon.JS, Mocha, Express

Experience

- Connected Lab**
May 2017 – Aug. 2017
Software Engineer
Built a conversational/voice interface prototyping tool using Redux-Observable allowing deep analysis of voice configurations and Alexa utterances for CL clients. Developed a music playback skill for iHeart Radio's Amazon Alexa native skill. Created an operations portal and data visualization tool using React-Redux and Spring for one of Canada's largest retailers to manage 1000's of orders across Canada.
- Smart Technologies**
Sept. 2016 – Dec. 2016
Software Engineer
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 shipped in Q1 2017.
- 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.
- Rov**
Nov. 2015
DementiaHacks 2015, an iBeacon tracking app for use in hospitals
A lightweight, low cost, patient tracker and web application using Raspberry Pi, and LightBlueBeans to triangulate position for allocation optimization within hospitals.

Education

- University of Waterloo**
Sept. 2014 – Present
Candidate for Bachelor of Applied Science in Systems Design Engineering
Relevant coursework:
– Data Structures and Algorithms – Trees, recursion, searching, and sorting.
– Digital Computation – Software development & design, OOP in C#.