

Keith Cheung

SOFTWARE DEVELOPER

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TECHNICAL SKILLS

Languages: JavaScript, HTML5, CSS3, C++, C, Scheme, Bash

Tools: Vue.js, Angular2, Ember.js, Handlebar.js, jQuery, Node.js, MongoDB, Firebase, Mongoose, SASS, Pug, Silver Searcher, Chrome Developer Tools, Bootstrap and UIKit

EMPLOYMENT

SMART Technologies

Software Developer Intern

May 2017 – Aug 2017
Calgary, AB, Canada

- Operated on the SMART Learning Suite Online project using Vue.js alongside Ember.js
- Improved the logic in the annotation recognition algorithm when uploading Notebook Files such that the remaining 62% of annotations are parsed accordingly
- Refactored the architecture of the project to keep components more organized through inheritance
- Created a participant's panel for teachers that incorporated Firebase Listeners in order to listen to when students are connected/disconnected from a teacher's session
- Wrote integration and unit tests using Chai.js

PROJECTS

Unite

July 2017 – Present

- Designed and implemented an application that allows users to sign in via Facebook or Google to set up or join other users' open events such as playing sports
- Developed the user interface using Vue.js and Vuetify, while the database was done using Firebase

Draw-it-out, SMART SEE SUMMIT Hackathon

July 2017

- Developed a web application where teachers can send out a worksheet to students and students can then label and send it back to the teacher for review
- Focused on the back-end development using Firebase to connect the teacher's content to the students' and vice versa
- Implemented into SMART's LAB Activities and is now a feature of the LAB activity Shout-it-out!

Smart Diary, Electric City Hacks 2016 Hackathon 36-hour project

November 2016

- Developed an online diary to parse through user's entries and identify their persona
- Integrated multiple web-application APIs including ChartJS, Indico, and MeaningCloud
- Focused on the front-end interface for data visualization using HTML5, CSS3 and JavaScript, and assisted with the parsing algorithm used for the back-end requests

EDUCATION

Candidate for Bachelor of Computer Science

University of Waterloo

2016 – 2021 (Expected)
Waterloo, ON, Canada

- Relevant Courses: Object-Oriented Software Development, Elementary Algorithm Design and Data Abstraction, Logic and Computation, Statistics, among others