Jeffrey Fei

University of Waterloo
Software Engineering

✉ jeffreyfei@msn.com

📞 519-591-6060

🏠 jeffreyfei.com

○ jeffreyfei

in jeffrey-fei

Languages

JavaScript
Java
C++
C
Python
HTML/CSS

Frameworks

Node.js
Vue.js
AngularJS
OAuth2
Sass
Pug
QUnit

Database

Redis
PostgreSQL

Technologies

Teamcity
Git
Mercurial

Work Experience

SMART Technologies
Software Developer Intern   **Jan 2017 – May 2017**

Architected SMART LAB's web migration and integration to SMART Learning Suite Online which allows users to create LAB activities online

Implemented a new login flow in Vue.js to control user access to premium features based on subscription status

Created LAB Player API that enables external audio control in SMART Lessons

Improved the dialogue system in LAB Player by adding activity type detection in the LAB-C backend to display the status of the running activity

Assisted with LAB Creation Wizard Vue 2.0 migration from Vue 1.0

Dell EMC
Software Engineering Co-op   **May 2016 – Sept 2016**

Streamlined build analytics by processing real time build machine data with Node.js and presented on an online dashboard created using AngularJS

Implemented Python scripts to automate owner reassignment over Coverity by analyzing user activity data from corporate LDAP servers

Automated the import process of Purify dynamic analysis logs to Coverity which enables stack tracing of outstanding memory issues

Projects

Aerodrifting Systems
Fullstacks eCommerce solution   **Jan 2017 – Present**

Designed, developed, and maintained a customer oriented user interface using Vue.js that provides users with the option to purchase from popular build templates or submit customized builds using the site's PC builder

Designed and implemented an order management/tracking systems in Node.js and Redis

Created a payment system using PayPal backend integration

Implemented user sign in flow using Google OAuth2 authentication

Game of Green
Online gamification for environmental sciences   **Jan 2017 (Hackathon)**

Implemented customized user login solution using OAuth2 and PostgreSQL

Created REST APIs to collect user data through the client interface

Wat Product
Product sentiment analyzer   **Jan 2016 – Feb 2016**

Integrated Watson Alchemy API into Node.js backend to analyze online articles to generate an accurate public reception of a given product

PT Now
TV Clock for post secondary schools   **Dec 2013 – Sep 2015**

Designed, implemented and maintained a TV clock in Java for Pinetree Secondary to display auto-synchronized time, date, and class schedule