KENNETH GALANG

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in kennygalang ⌾ kennygalang

EDUCATION

University of Western Ontario

Bachelor of Science Computer Science 2019

Honours: Western Scholarship of Excellence

Societies: Hack Western, We Day, Canadian Asian International Student Association, Western Founders Network

SKILLS (ORDER OF PROFICIENCY)

PROGRAMMING LANGUAGES: Java, C++, C, Python, ARM Assembly, Markup, Javascript, Swift, SQL
TOOLS: Eclipse, Sublime, Grails, XCode, Flash, React, RStudio, MySQL, MS Office Suite, Photoshop
LANGUAGES: English, Kapampangan, French

PROJECTS

Internet of Things (Home Automation System) – C++, Web Toolkit   Oct 2017 - Current
- A web client that allows remote or automated control over lighting within a household
- Using Web Toolkit framework; sends API requests to the server in order to manipulate the Hue lights

Address Book (Web Application) – C++, Web Toolkit   Sep 2017
- A web application and server that randomly generates address book persons on an arbitrary number of people to then display the information
- Using a RESTful API, the data is served programmatically in JSON format to make it accessible by other web services

Eventile (Agile Project Management) – Grails, MySQL, React, Bootstrap   Jan 2017 - Apr 2017
- A web application that allows users to filter and search for events, create their own profile and/or event
- Incorporates a social media aspect by implementing features such as commenting, rating, and RSVP'ing to an event
- Implemented using Grails framework for backend, both Bootstrap and React for a frontend GUI, and MySQL for database

DeltaHacks (McMaster University Hackathon) – Python   Jan 2017
- Created a program that recognizes hand gestures picks up voice commands to manipulate various programs such as Microsoft PowerPoint by using OpenCV API and speech recognition function

Road Map Path Finder – Java   Dec 2016
- Used depth first search to create an efficient graph route by receiving file input of an undirected graph
- The program consists of a GUI to show the user a step by step execution of the algorithm as it creates the route

Database Manager – Java   Nov 2016
- Implemented a binary search tree to store records in an ordered dictionary with worst time complexity $O(\log(n))$
- Includes a UI to allow the user to store a file, or return a file an image, gif, or audio

Achi Board Game – Java   Oct 2016
- Play against another AI in a game of Achi – implemented into a dictionary using a hash table with separate chaining

ACTIVITIES

Intramural Dodgeball Team, *Captain*   Jan 2016 - Jan 2017
- Created and managed team registrations

Beatbox Canadian Championships, *Beatboxer*   Nov 2014 - Nov 2016
- Young finalist and placed top 5 for three years in a row