

KENNETH GALANG

✉ kgalang4@uwo.ca 🌐 kennygalang.github.io 📞 (226) - 920 - 5635
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

- To-Do List (React, NodeJS)** Oct 2017
- Develop a simple web application using HTML5, Javascript, CSS, React, and NodeJS
 - User is able to add tasks, check them when completed, and delete the task off the page when needed
- 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
- Unity Charity's Hip Hop Event, Performer (Beatboxer)** Summer 2014 - 2016
- Performed in front of a crowd to raise money for charity