

# KENNETH GALANG

✉ kgalang4@uwo.ca 🌐 kennygalang.me ☎ (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

### 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*

- Created and managed team registrations

### Beatbox Canadian Championships, *Beatboxer*

- Young finalist and placed top 5 for three years in a row