

KENNETH KRISTIAN GALANG

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EDUCATION

UNIVERSITY OF WESTERN ONTARIO | Expected May 2019

Bachelor of Science in Computer Science

London, Ontario

September 2015 – April 2019

- *Honours:* Western Scholarship of Excellence
- *Societies:* Hack Western, We Day, Canadian Asian International Student Association, Western Founders Network

SKILLS

Languages | Order of proficiency

Java • C++ • C • Python • ARM • Swift

English • Kapampangan • French

Tools

Eclipse • Atom • XCode • Grails • React • Flash • RStudio

MySQL • React • MS Office Suite • Photoshop

EXPERIENCE

Internet of Things (Home Automation Lighting System) C++, Hue, Jira, Web Toolkit

October 2017 - Present

- 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

Eventile (Agile Project Management) Grails, MySQL, React, Bootstrap

January 2017 – April 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

January 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

PROJECTS

Address Book (Web Application) C++, Web Toolkit

September 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

Road Map Path Finder Java

November 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

November 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

October 2016

- Play against another player/AI in a game of Achi – implemented into a dictionary using a hash table with separate chaining

ADDITIONAL

- Captain of intermural dodgeball team – created and managed team registrations January 2016 - 2017
- Top 10 in Microsoft Coding Competition September 2016
- Beatbox Canadian Championships – young finalist and placed top 5 for three years in a row November 2014 – 2016