

Cloud Huang

cloud.huang@uwaterloo.ca * (647) 206-8296 * portfolio.com

Programming

- Python
- Javascript
- Scheme
- HTML
- CSS
- Tool: Vagrant Git Bash
- Web Framework: Flask Google App Engine
- JS Framework: Knockout Backbone
- Database : SQL PostgreSQL Google Datastore
- CSS Framework: Bootstrap

Education

- Bachelor of Computer Science(UW) and Business Administration (WLU) Candidate

Extracurricular

- Udacity Frontend Web Developer Nanodegree [Description](#)
- Udacity FullStack Web Developer Nanodegree [Description](#)
- Udacity Data Analyst Nanodegree [Description](#)

Personal Projects

Garfield Search link

A toy search engine that crawls the web to build its own public index of 40,000 pages and ranks the pages using PageRank algorithm. Users can log in with their Google or Facebook accounts and build their own custom indexes.

Neighbourhood Map cloudhdh.github.io/neighbourhood_map/

A single-page web application, built using the Knockout framework, that displays a Google Map of an area and various points of interest. Users can search all included landmarks and, when selected, additional information about a landmark is presented from the Youtube Flickr and Wikipedia APIs.

Catalog Website link

Developed a content management system using the Flask framework in Python. Third party Authentication (Facebook Google Github) is provided via OAuth and all data is stored within a PostgreSQL database. Installed and configured all required software to turn a baseline Ubuntu Amazon Web Services server into a fully functional web application server, including Apache Web Server and PostgreSQL database server. The server hosts the catalog website. (AWS instance has expired. However, configuration process is documented Github repo)

Game Api gameapi-140610.appspot.com

Implemented a game as an API with endpoints that allow anyone to develop a front-end for the game. (More about scalable feature)

Health Tracker cloudhdh.github.io/health_tracker/

Using Backbone, developed a single page application that tracks the user's calorie intake, and optionally, other health-related metrics.

Website optimization before after

Optimized an inefficient web application's JavaScript, CSS and assets delivery, ensuring it runs at 60fps and achieves a PageSpeed score of at least 90.

Multi User Blog cloudhpedia.appspot.com/

Built a multi-user blog, hosted on Google App Engine, with comments and login functionality.

SEE github.com/CloudhdH FOR PROJECTS DETAILS