

Allen Nguyen

Port of Japanese Friendship Garden Android app
Haiku Hunt into iOS

Update for July 16th
Week 3

Prime internship in Osaka, Japan

In collaboration with BPOC, PRIME, NICT, ISID, & Japanese Friendship Garden

Project Overview

- Deployment of iBeacons on iOS platform
 - Two main objectives
 - 1.) Port Android Haiku Hunt application written by Jesus Rios of PRIME 2013 onto iOS
 - 2.) Map user location using iBeacons
 - Possible future uses:
 - Delivering data to users when they reach a certain location
 - Monitoring user location

Progress for This Week

- Tried different tweaks to improve the reliability of the iBeacon distancing; does not seem to improve results
 - Clustering multiple iBeacons at the same spot
 - Placing the iBeacons high above to reduce potential interfering obstacles
- Attempted to use Levenberg-Marquardt algorithm to estimate a location; so far, it works better than trilateration.

Plans for Next Week

- See if more iBeacons can be acquired for testing
- Toda-san/iSiD visiting VisLab on Friday, and has something new to show regarding iBeacons. Maybe helpful for location mapping purposes?
- Continue attempts to improve location/distancing accuracy

Cultural Appreciation



Tower at Shinsekai

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