

# LIKHON GOMES

SOFTWARE ENGINEER | INVENTOR | STUDENT



## About Me

### Phone

(240) - 615 - 6788

### E-mail

likhon\_dg@hotmail.com

### Website

www.likhongomes.me

### Github

iamleogoamez18

### LinkedIn

Likhon Gomes

### Devpost

Likhon Deep Gomes

## >\_ Programming Languages

Java

Swift

Python

C

C++

C#

Javascript (Learning in Progress)



## Technologies / Frameworks

Xcode

Android Studio

Firebase

Scikit

Internet of Things

Unity Engine

Unix Shell Script



## Achievements

### Founder's Scholarship

Temple University | 2016 - 2020

### Dean's Scholar List

Fall 2017



## Work Experience

### ELECTRIC BLUEFISH INC (Volunteer)

August 2018 - Present

#### iOS App Developer

- Designing a product database iPad app for a company named EpoTek to use it at tradeshow.
- Working as both UX and backend developer.

### CEPH

May 2018 - Present

#### Research Assistant (REU Program)

Worked with a team to deploy Ceph Scalable Distribution System for Salesforce

- Developed a Prefetch Mechanism to prefetch extra IO from the cluster, before the processor requests for it.
- Translated existing python codes for Belief Cache into c++ codes to make it compatible with Ceph.

### Upwork Inc

January 2013- July 2015

#### Freelance Graphic Designer

- Worked as UI / UX Designer for mobile apps and websites.
- Designed Logos/Banners/Packages for companies all over the world.
- Responsible to designing t-shirts for Teespring/SunFrog Tees and Amazon Merch



## Projects

### Smart Fire Evacuation Alarm, Penn Apps Retro

Spring 2018

Designed a fire evacuation alarm using Dijkstra's and A-star pathfinding algorithm. This alarm is supposed to aid people out to safety from a burning building.

Using Couple of Heat detection / Momevent Detection Sensor, the alarm helps determine where the fire is in the building and avoid that path. Using Dijkstra's and A-Star Pathfinding algorithm the device guides people out to safety taking the shortest and the safest path.

**Technologies Used:** Raspberry Pi, Arduino UNO, Dijkstra's Algorithm, A-Star Algorithm, Python, C++

### Active Shooter Alarm, Philly Codefest

Spring 2018

Designed a security alarm that help detect a shooter in a building and detect human being near a shooting sight and alert them by providing the possible active shooter location and help prevent it.

**Technologies Used:** Raspberry Pi, Arduino, Adafruit Playgroud Express, Neopixel, Firebase, Android Studio, Eddystone Beacon, Java, Python, C++

### Fraction, HopHacks

Fall 2017

Fraction is a pennystocking app that we created in Fall of 2017 when United States was hit by two vicious hurricanes: Maria & Harvey. The idea of this app was to reinvent the way we donate money for social causes. This app basically keeps an eye on users bank account and deducted any remaining cents after each transaction and save it in a temporary account, later which can be donated for any cause or used for personal reason.

Technologies Used: Java, Android Studio, Firebase, Capital One Nessie API



## Education

TEMPLE UNIVERSITY, Philadelphia, PA

BSc - Computer Science

Fall 2016 - Spring 2020