LIKHON GOMES

📞 240-615-6788 ✉ likhon_dg@hotmail.com ⬡ iamleogomez18 in Likhon Gomes 🔗 likhongomes.com

🎓 education

Temple University
B.Sc, Computer Science
Graduating May 2020

🔧 skills

Languages: Java, Swift, C, C++, Javascript, Python, C#, HTML, CSS, SQL

Other: Unix/Linux, Xcode, Android Studio, Firebase, Azure, Google Cloud, IOT/Hardware

📖 coursework

- Calculus 1 & 2
- Mathematical Concepts in Computing 1 & 2
- Computational Probability & Statistics
- Program Design & Abstraction
- Data Structures
- Data Structure & Algorithms
- Computer Systems & Low Level Programming
- Introduction to Systems Programming & Operating Systems
- Web Application Development
- User Experience Design
- Introduction to Digital Forensics
- Microservice Architecture

🏅 awards

Founder's Scholarship
Temple University | 2016 – Present

Dean's Scholar List
Fall 2017

💼 experience

Electric Bluefish Productions Inc   August 2018 – Present
iOS App Developer

- Create robust UI visual elements for apps to make it easy to use and simple.
- Code basic structures of apps to work with UI elements.
- Write codes to interact between the app and the server database.

Salesforce   May 2018 – Present
Undergraduate Researcher

- Building infrastructure to add prefetching mechanism in Ceph.
- Writing code to add Belief Cache mechanism to prefetch data from cluster.
- Converting existing Python codes to C++.

Upwork Inc   January 2013 – July 2016
Freelance Graphic Designer

- Designed User Interface for mobile applications and websites.
- Created Logos/Banners/Packages or any type of graphics on demand.
- Worked as a teeshirt designer for Teespring/SunFrogTees and Amazon

✎ projects

FioreVision, **PennApps**   Fall 2018

Built an iOS app to help vision impaired people to navigate the real world and see what's around them. Used OpenCV to get the distance of any obstacle and Cloud Vision api to describe any object around them.

Technologies Used: Xcode, Swift, ARKit, OpenCV, Cloud Vision, Apple Speech Synthesis, Google Voice Recognition.

Active Shooter Alert, **Philly Codefest**   Spring 2018

Created a security alarm that detects an event of active shooting in a school. Using smart algorithms and sensors the device picks up the sound of the gun and give possible location of the shooter to track the shooter down.

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

Smart Fire Alarm, **Penn Apps Retro**   Spring 2018

Designed a smart fire alarm that uses sensors to detect an occurance of fire and it's location. Using smart algorithm, the alarm finds out the shortest and the safest path to the nearest exit and lead people there using patterened strobe lights.

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