

# LIKHON GOMES

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## education

**Temple University**  
B.Sc, Computer Science  
Graduating May 2020

## skills

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

**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

## awards

**Founder's Scholarship**  
Temple University | 2016 - 2020

**Dean's Scholar List**  
Fall 2017

## experience

### **Electric Bluefish Productions Inc** **iOS App Developer**

August 2018 - Present

- 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** **Undergraduate Researcher**

May 2018 - Present

- 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** **Freelance Graphic Designer**

January 2013- July 2015

- 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

### **Smart Fire Alarm, Penn Apps Retro**

Spring 2018

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

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

### **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++

### **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.