# ALEX LOPEX

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## SUMMARY

- Education and experience specifically in computer science, software engineering and Internet of Things
- Experience with web technologies, including front- and back-end development and databases
- Maturity, stability, professionalism and communication skills

## EDUCATION

### Florida International University
Bachelor of Science in Internet of Things (GPA: 3.8)
Minors: Computing Technology and Applications

Miami, FL
Currently Attending

### Broward College
Associates of Arts (GPA: 3.0)

Davie, FL
May 2016

### William T. McFatter Technical High School
Vocational Certificate in Graphic Design (GPA:3.0)

Davie, FL
June 2009

## SOFTWARE

- Concepts and Environments: Cocoa, Android, iOS, unit testing, general design patterns
- Technologies:
  - Languages: Java, C, Objective-C, Swift, Python, PHP, AJAX, SQL
  - Frameworks:
    - Front-end: React/Redux
    - Back-end: Amazon AWS, Google Firebase, Azure
  - Notations: HTML5, CSS3, XML, JSON
- Tools:
  - Operating Systems: Mac, Windows, Linux
  - IDEs: Android Studio, Eclipse, JetBrains, NetBeans, Visual Studio, Xcode
  - Version Control: Git, Github
  - Debuggers: Webkit, xDebug
  - Servers and Databases: Firestore, Apache, Nginx, Node.js, MYSQL, MongoDB
  - Package Management: GIT, APT, yum, Homebrew, npm/Yarn, pip
  - Application Deployment: Ansible, Docker

## LEADERSHIP/AWARDS/ACHIEVEMENTS

- **PantherHacks** - Won second place in Best Use Of Google Cloud challenge Sponsored by Google at my first 24 hour hack-a-thon with my team's submission called PrintMD.
  https://youtu.be/VmfEph66DtQ
- **Google CS First** - Went to local elementary school and taught children basics of computer science using Spark programming language.
- **Upsilon Pi Epsilon** Honor Society - Currently active member in various programs such as Code, UI/Design, Make, and Info Tech

<div align="right">**Alex Lopez**</div>

## EXPERIENCE

**Telenetwork** (Enterprise Technology Solutions)                          Austin, Texas
Help Desk Level 1 Tech Support                          August 2016 - September 2019
Support for clients on computer and network issues used for professional services.
- Configured and secured residential and business networks.
- Worked from home on my own time with minimal supervision from my supervisor.

**City of Fort Lauderdale** (Information Technology)                          Fort Lauderdale, FL
I.T. Department Intern                          September 2015 - May 2016
- Organized new hardware and implemented information tech systems across the city of Ft. Lauderdale within 80+ supports sites such as police stations, fire stations, public works buildings, parks and recreations offices for hundreds of government employees.
- Assisted help desk L1 L2 team with desk side projects
- Displayed my abilities to take on challenging work on my own troubleshooting various types of computer hardware and accessories.

**Samsung** (Sales)                          Sunrise, FL
Samsung Experience Consultant                          July 2014 - May 2015
- Provided memorable & interactive consumer experiences with guests by promoting Samsung and showing consumers how Samsung products can enrich their lives
- Provided customer service and tech support via genius bar to Samsung mobile device customers.

## Projects

### RB Karaoke Songlist Queue
https://dotalexx.ddns.net/rbkaraoke/new.php
Created software after the Covid-19 soft openings to safely queue my clients who attend my Karaoke shows. Software has a search feature where clients can tap the song and add it to the queue without having to interact directly with me.
- App was developed using PHP, AJAX and HTML/CSS.
- AJAX was used for the search feature
- Backend was all done by me using NGINX,PHPAdmin. The app is hosted from home on a Raspberry Pi server.
- Database is using MYSQL to keep Song List, and queue at shows.

### CodePath - Group Project: Health-irst  Branch: Health-irst:SwiftUI-Health-irst.
https://github.com/d0tAlex/CodePath-iOS-2022--Group-Project-Health-irst.git
Worked with a cohort on developing a social gym app that will match users with likeminded gym partners based off of interests rather than goals in an effort to help people create better gym habits and want to frequent the gym more.
- I rebuilt the app from the ground up in my branch coding it using SwiftUI rather than UIKit
- Implemented login authentication via Google Firebase
- Used Firestore to create databases for app such as "users"
- Tackled the project with little to no experience using SwiftUI and was able to create a functioning iOS application.