

# Joseph Orlando

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## EDUCATION

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- **Western Governors University** Orlando, FL  
*Bachelor of Science in Software Development* Degree to be Conferred March. 2020
- **Daytona State College** Daytona Beach, Florida  
*Associate of Arts; GPA: 4.00* Degree Conferred Dec. 2018

## PROGRAMMING SKILLS

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- **Languages:** Java, C, Python, SQL, Javascript, HTML/CSS
- **Technologies:** Git, GCP, Agile, Android Studio, IntelliJ, DialogFlow, Node.js

## PROJECTS

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- **Garage Availability Checker App** March 2020  
*Android Application*
  - Android application that uses Java, Android Studio, and DialogFlow to allow students to request parking spot availability partially hands-free as well as generate line-charts that show the average availability per week
  - Backend webscrapper and garage status API were built using Javascript storing data into an InfluxDB database deployed to Heroku
  - Implements Google Sign-in functionality to allow for unique user sessions
- **Fetch (HatterHacks 2019 IoT Category Winner)** HatterHacks 2019  
*Energy Efficient IoT Location Service* April 2019
  - Uses Wi-Fi as a short-range radio for coarse location finding
  - Utilizes Node.js to transmit and receive location data of Particle.io hardware, deployed via Google Cloud Platform
- **Code Talker** HackABull 2019  
*Light-based Radio-Silent Communications* March 2019
  - Android application that encodes messages as a series of binary flashes from the flashlight of one device to the camera of another device allowing you to transmit messages without the use of traditional mobile/Wi-Fi networks
  - Detects binary flashes through the use of OpenCV's computer vision library
  - Uses Java/Android Studio to build the phone application and JUnit for testing
- **Desktop Scheduling Application**
  - Desktop application that allows multiple users to add, edit, and delete customers as well as schedule appointments specific to their current user session
  - Application built with JavaFX utilizing Scene Builder for UI design
  - User, customer, and appointment information stored in a MySQL database
- **Desktop Inventory System**
  - Desktop application that allows users to add, modify, and delete products which are made up of user created parts
  - Application built with JavaFX utilizing Scene Builder for UI design

## EXPERIENCE

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- **Qkids English** Orlando, FL  
*Online ESL Teacher* Aug. 2017 - Dec. 2018
  - Taught English to Mandarin-speaking students ages 4-12 by utilizing an online platform that provided students with an understanding of basic grammar, listening, and speaking skills
  - Interacted with parents to help them understand the material being taught
  - Solved basic computing issues that arose during the lesson while using the online platform