

# JESSICA JOSEPH

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iOS and Mobile Backend ENGINEER

## EDUCATION

NYC College of Technology  
BTech Computer Engineering 2018-2020

New York University  
BS Computer Engineering 2014-2017

## PERSONAL PROJECTS

### HAPPY HEART [iOS App/Web App/Hardware]

A series of applications which help patients suffering from mental illness track their triggers (Microsoft Band)

### SUGAR TRAILS [iOS App/Web App]

On iOS Sugar Trails becomes a mobile monitor and recommender. Allowing diabetics to access their glucose levels and get food recommendations

### OCUHALT [VR Glove]

Limits physical joint movement when the user collides with a virtual object. Adds tactile responsiveness to the virtual realm (Oculus Rift + Arduino Uno + Swag)

[more projects at devpost.com/theflawlesshack](http://devpost.com/theflawlesshack) and [github.com/theflawlesshack](https://github.com/theflawlesshack)

## EXPERIENCE

### Girls Who Code

[Brooklyn, NY / Baltimore, MD (June 2018 - July 2018)] [iOS Dev - Teaching Assistant]

- Taught Swift and iOS Development
- Assisted students in the construction of their final iOS projects projects were debuted at the program showcase

### Clarifai

[New York, NY (May 2017 - Sept 2017)] [Mobile Backend Engineering]

- Refactored file compression in the Mobile SDK
- Built a C++ SQL database layer
- Designed and developed the SDK sample iOS app

### Pitney Bowes

[Danbury, CT/Remote (May 2017 - Aug 2017)] [Rapid Prototype Engineering]

- Redesigned a core business product app which included senior accessibility
- Designed and developed a campaign website for the core product app
- Created a series of video tutorials for the core product app
- Designed and developed an iOS and Android app for a marketing initiative

### Lyft

[San Francisco, CA (May 2016 - Aug 2016)] [Software Engineering/iOS Engineering]

- Created a driver education portal which decreased driver on-boarding time and increased driver education and performance
- Revamped the iOS app help center which decreased ticket support submission

### This Also

[Brooklyn, NY (Feb 2016 - May 2016)] [Product Development]

- Collaborated with designers, team leads, and clients to help develop prototypes
- Constructed and designed a File Management OSX app

### MyDrop Inc.

[New York, NY (Oct 2015 - Jan 2016)] [iOS Developer]

- Created the Beta iOS application
- Lead and Managed iOS related tasks

## TECHNICAL SKILLS

SQL MySQL Objective C  
C++ Python Git VIM  
iOS Dev Android Dev Java  
Swift Arduino HTML CSS  
Adobe Illustrator, Photoshop  
MATLAB Mathematica  
Adobe Premiere Unity

## RELEVANT COURSES

(CS-UY 4533)

Interactive Computer Graphics

(CS-UY 3943)

Artificial Intelligence for Games

(CS-UY 2214)

Computer Architecture and Organization

(CS-UY 2413)

Design and Analysis of Algorithms

(CS-UY 2134)

Data Structures and Algorithms

(MA-UY 2314)

Discrete Mathematics

(MA-UY 2034)

Linear Algebra and Differential Equations

(CS-UY 1124)

(C++) Object Oriented Programming

(CS-UY 1114)

(Python) Intro To Programming

(CS-UY 1133)

(MATLAB) Engineering Problem Solving and Programming

## HONORS/AWARDS

Best Data Analysis/Visualization  
Hack@Brown 2016

Best Civic Hack  
HackNY 2015

## ACTIVITIES

Hackathon Veteran (21+ hackathons)  
Hackathon Organizer/Co-Founder  
Hackathon/Tech YouTuber