# Siraj M. Zaneer

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## OBJECTIVE

To apply my skillset in a meaningful position where my work will make a large scale impact.

## EDUCATION

**Purdue University –** West Lafayette, IN                                          B.S. Computer Science – May 2018

## TECHNICAL EXPERIENCE

**CodePath University**                                                                        October 2016 – Present
*Teaching assistant*
- Worked with CodePath to run courses on internship preparation, iOS Application Development, and Web Security on campus at Purdue University.
- Worked with Purdue University to establish iOS course for credit as CS49000iOS
- Responsible for leading courses and organizing related events.

**Make School**                                                                                  June 2016 – August 2016
*Intro track instructor and technical lead*                                                       Sunnyvale, Ca
- Lead two four-week sessions teaching an introduction to Computer Science and Object Oriented Programming along with building applications using Swift and the Xcode IDE.
- Created interactive Swift based curriculum to supplicant student learning.
- Led sponsor team at Purdue University's hackathon, BoilerMake.

**SpaceX Hyperloop Pod Competition** (EPICS)                                    December 2015 – May 2016
*Power and Thermal team*                                                                         West Lafayette, IN
- Worked with team to create efficient and effective power system to enable pod to run properly at low atmospheric pressure.
- Performed webmaster duties for EPICS group to maintain and add information to webpage.

## PROJECTS

**PhotoWar** (In development)                                                              *iOS, Swift, Objective-C*
- iOS Application which incorporates Clarifai visual recognition to recognize objects and surroundings of a user to play an image based game with others.
- Custom model to allow for increased accuracy in identification as usage of application increases.
- Firebase backend to allow for rapid deployment of social features.

**HackHunt**                                                                           *iOS, Swift, Android, Java, Python*
- iOS (Published) and Android (In development) applications to allow user to easily find information about hackathons being held.
- Built custom backend in Python to scrape and cache data from MLH.io
- Implemented Google Maps API to provide information such as distance and geocoding.
- Facebook and Twitter integration to allow for quick sharing of hackathons.

**Purdue App** (iOS Development Club)                                          *iOS, Swift, Objective-C, JavaScript*
- Application to help Purdue University students to access college services and information by leveraging various Purdue APIS to display consolidated information.
- Over 6000 daily active users.
- Natively implements interaction with student's Blackboard accounts.
- Easily accessible information such as maps and live computer lab usage.
- Node.js based backend using Express framework.

## SKILLS

Programming Languages – (Proficient) Java, Swift, (Competent) C, C++, (Familiar) Objective-C, Python, JavaScript
Frameworks – UIKit (iOS), SpriteKit (iOS), MapKit (iOS), Junit (Java), Django (Python)
Web Development – HTML, CSS, PHP, Node.js, Vapor

## TEAMWORK AND LEADERSHIP

**Purdue iOS Development Club**                                                      September 2015 – Present
*President*
- Created and ran clubs first ever event, iDev Series Workshops, to introduce students to iOS application development.
- Led workshops on iOS development at Purdue University hackathons.
- Provide mentoring to students for iOS development personal as well as class projects.
- Worked on club backend written in Swift using the Vapor framework.