

# 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

### Apple

May 2017 – August 2017

*WiSE Location Services Intern*

Cupertino, CA

- Worked on location-motion stack and investigated security flaws.
- Prototyped for new public SDK.
- Spotted critical flaws in MacOS High Sierra operating system before release.
- Presented personal project to VPs of organization.

### CodePath University

October 2016 – Present

*Teaching Assistant*

West Lafayette, IN

- Established 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.
- Lead course organization and sponsorship fundraising.

### 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 supplant student learning.
- Led sponsor team at various hackathons: BoilerMake, HackIllinois, MHacks, and Hackridge.

## 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, 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 sharing of hackathons.

**Purdue App** (iOS Development Club)

*iOS, Swift, Android, Java, Python*

- Application to help Purdue University students to access college services and information.
- Natively implements interaction with student's Blackboard accounts.
- Easily accessible information such as maps and live computer lab usage.
- Implemented many Purdue and custom APIs to display consolidated information.
- Node.js based backend using Express framework.

## SKILLS

Programming Languages – (Proficient) Java, Swift (Competent) C, C++, Python, Objective-C (Familiar) JavaScript

Web Development – HTML, CSS, PHP

Technologies – Xcode, Android Studio, Node.js, Django, SQLite

## TEAMWORK AND LEADERSHIP

**Purdue iOS Development Club**

September 2015 – Present

*President*

- Created and ran club's 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 with other CS club leaders to facilitate interclub cooperation.