

# Yash Gharat

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## Objective

A proactive and dynamic undergraduate student looking to apply his educational skills and prior work experience to a part-time position in the computing field.

## Education

### **Stanton College Preparatory Highschool**

**Spring 2018**

International Baccalaureate (IB) Program Diploma

Science National Honor Society, Spanish National Honor Society, Mu Alpha Theta (Math National Honor Society)

Joe Berg Seminar Program for Math and Science

### **University of Central Florida**

**Expected Graduation Spring 2022**

College of Computer Engineering and Computer Science

Bachelor of Science in Computer Engineering (BSCpE)

## Relevant Experience

### **STIR Lab**

*Researcher/Full Stack Developer*

**2019 -**

#### **Present**

- Developed Android app to aid in a PhD study that collected user data and integrated with an AWS backend using Cognito, S3, Lambda, and Gateway
- Developed companion admin Dashboard with Angular that directly interacted with the app users

### **NLP Logix, Jacksonville, FL**

*Big Data Intern*

**June 2017 - July 2017**

- Led a team of three people (myself and two others) to create a presentation that analyzed crime in Jacksonville and the possible causes.
- The Jacksonville Sheriff's office provided raw data regarding all sorts of crime separated by years, crime categories, place, etc. Using this data and SQL, Java, Tableau, and R Studio to break it down and analyze it.
- These findings were presented to the mayor's office and discussed some solutions for the crime in Jacksonville.

### **Science National Honor Society**

*Freelance Developer*

**2017 - 2018**

- Assisted in solving the problem of tutors getting the required hours to maintain honor society membership by developing an Android app to connect tutors with tutees. This used Google authentication as the user base and employed Google Firebase to organize the users and the request submissions real-time.

### **AeroGames**

*Co-Founder*

**2016 - 2018**

- Started a small business venture with a fellow student to create iOS games.
- Three apps (UpBomb, CircleJump, and Tunnel Twist) were successfully placed on the IOS store for two years and one app is still available on the Google Play store. The games were built using Unity Game engine.

## Leadership

### **Stanton Summer Bridge Program**

- <https://stantonbridgeform.wixsite.com/scpbridge>
- Interviewed and hand-picked team of 20 volunteers for administration of program
- Coordinated over 300 students and 170 volunteers

### **IEEE SoutheastCon 2019 Hardware team**

- Programming Lead
- Robot built using a combination of Arduino and RaspberryPi

### **IEEE UCF Student Chapter**

- Treasurer

### **Chinese Yoyo team**

- Leader of 6 person team

## Skills/ Strengths

- Java, C, Python, Visual Basic, Scala, SQL
- HTML, CSS, Material, Bootstrap, XML
- AWS, Firebase, ReactJS, Angular
- Unity, Blender, GIMP
- Android Studio, Visual Studio, Eclipse, JCreator, Atom

## Pet Projects

- Blender 3d animator and modeller
- Created 9V to USB power adapter
- Blender developer
- Projector hush box