Aryan Patel

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[Personal Website](#)

3735 Terrance Lane

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EDUCATION

Arizona State University   **Tempe, Arizona**

Pursuing Bachelors of Science, Computer Science   August 2020 - Present
- **New American University Scholarship**

SKILLS

- **Programming Tools**: Java (5 years), Python, C++,SQL, HTML, Javascript, CSS, Matlab
- **Certifications**: Word, PowerPoint, Excel
- **Others:** Leadership, Public Speaking, Management, Adaptive, Communication

PROJECT EXPERIENCE

Bluetooth RC Car with App
- Wrote motor and turning controls in **C++** on an Arduino board for RC car
- Self created app included **bluetooth** control from the app to car
- App **UI** was very user friendly and included turning, braking, acceleration and speed controls
- App included **voice recognition** that allowed user to control the car which just their voice
- App also featured a live stream of a camera mounted on the front of car
- Car was featured heavily in events to promote coding in the community

Leap Motion Controller Integration into Video Game
- Leap Motion is a sensor that detects **hand movement** and we used its **JAVA Libraries**
- Created a **3d video game maze** using **JAVA** from a tutorial that included **ray casting** techniques
- Than integrated the Leap to replace keyboard controls for using hand gestures detected by its sensor
- Players were able to walk and turn in game based on real life human gestures

Drawing LED Board with App
- Simple project where LED lights were activated and change colors as user drew or wrote on app
- Using **C++** on the Arduino to control lights and various functions and allowed **bluetooth** functionality
- Various companies were interested in **marketing the idea**

Resume Website
- Built a **website** that shows my resume, skills, and various projects worked on
- Coded in **HTML, CSS, and JS** and hosted on **Github**
- Learned how to do **push and pull requests, creating branches,** and various other functions of Github

VOLUNTEER EXPERIENCE

Coding with Kids Event

2017 - 2019
- A group of computer science students tutor kids from 3rd to 6th grade to code using code.org
- Peaked coding interest in surrounding communities

Firefighter

2016 - 2019
- Joined local fire department where I trained, responded to calls, and engage with the community