

## EDUCATION

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### Arizona State University

*Pursuing Bachelors of Science, Computer Science*

- **New American University Scholarship**

**Tempe, Arizona**

August 2020 - Present

## SKILLS

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- **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

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### 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
- Then 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

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### 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