

# Joshua Ortiz

2633 Mariners CT ♦ Little Elm, Texas 75068 ♦ 940-595-1075 ♦ Joshort3@gmail.com

## OBJECTIVE

---

Seeking an internship in computer science or computer engineering for summer 2020.

## EDUCATION

---

**Texas A&M University**, College Station, Texas

May 2021

Bachelor of Science in Computer Engineering - Computer Science Focus

GPA: 3.76

**North Central Texas College**, Gainesville, Texas

General Admissions

GPA: 3.71

## TECHNICAL SKILLS

---

Programming Languages: C++, Java, Python, Verilog, HTML, MATLAB, LabVIEW, R Studio, and Scheme

Data Structures: doubly linked lists, binary search trees, heap, hash map, skip list, stack, queue, and graphs (DFS and BFS)

Operating Systems: Windows, Linux, MacOS, Ubuntu

Applications: Microsoft Word, Microsoft Office, Microsoft Excel, and ARMv8

## PROJECTS

---

- Marble Sorter: Assembled a machine to sort marbles by color and size based off a barcode input using Lego motors, sensors and household objects - MATLAB
- Temperature Queries: Programmed an application to sort an input file's data into a linked list based off locations, dates, and temperatures - C++
- Graph Data Estimation: Developed a program to read in data, graph it, and create a function to best fit said data - MATLAB
- Buddy Allocator – Constructed a memory allocator to divide memory into partitions to best fit a user's memory requirements - C++
- Stop Light System - Implemented a stop light system of a highway intersection on an FPGA board and on a breadboard using a Raspberry Pi - Verilog and Python
- Arduino Robotic Arm: Built and currently coding a robotic arm to write in English - Python
- Shell: Created a functional shell implementing pipes and child processes to run multiple OS commands from one line - C++
- Control Unit: Designed an operating control unit capable of performing assembly instructions such as ADD, SUBI, CBZ, B, and MOVZ – Verilog

## WORK EXPERIENCE

---

**Best Buy**, Frisco, Texas

September 2016 - Present

*Customer Service Specialist*

- Greeted customers, sold and returned products, and satisfied customer needs
- Trained new hires customer service etiquette and Best Buy computer applications (Point of Sale System, Customer Pickup, Appointment Management)
- Exercised communication skills with costumers, leaders, and team members/coworkers daily

## ACTIVITIES

---

**Aggie Coding Club**

August 2018 - Present

- Collaborated on the Aggie Coding Club website design.

**Texas A&M Esports**

September 2019 - Present

## AWARDS

---

**Dean's Honor Roll**

Fall 2018

- Achieved a GPA of 3.75 in a semester of rigorous engineering course work