

Benjamin Willey

Seeking a Summer 2023 Software Engineering Internship

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📍 Dallas, TX



EDUCATION

Texas A&M Computer Engineering

Junior, Class of 2024

GPA

3.85 / 4.0

Highland Park High School

Graduated 2020

GPA

4.04 / 5.0

SKILLS

Software

C++

Python

Data Structures

Algorithms

Working on AWS DevOps

Hardware

Verilog

Computer Architecture

ARMv8 ISA

Product Design

STUDY ABROAD

Computer Architecture Summer 2022

Swansea Wales

Computer Architecture classes ECEN 350 and 469 with A&M professors

- Exploring the UK was awesome, I saw lots of castles and beautiful beaches in Wales.
- I made friends with other computer engineers from my university.
- While in Cambridge, I toured and attended lectures at ARM headquarters.

ARM Processor

ECEN 469 project

In my advanced computer architecture class, I designed a single cycle processor in verilog. It ran 32 bit ARMv8 instructions from a DRAM verilog module.

- Having two professors for my lab improved my verilog skills and debugging.
- I Learned to use GTK wave to debug complex verilog projects.

LEADERSHIP EXPERIENCE

Captain of VEX Robotics Team

Highland Park High School

- This taught me a lot about product design and documentation, as engineering notebooks were a big part in scoring the teams.
- I learned how to make my team members more autonomous. I found teaching them needed skills, then giving them an abstract task worked better than telling them exactly what to do.
- Early on, I learned of accountability, if something wasn't done on time or right it usually fell on me.

Eagle Scout

My project benefited Texas Rustlers, an animal rescue. I replaced a countertop, repainted two rooms, and installed hand sanitizer stations throughout the rescue.

- This was a different leadership experience since it dealt with leading my friends and family. It was hard to motivate my friends at times, but they respected me when I worked alongside them.

WORK EXPERIENCE

Backserver

The Henry(restaurant in Dallas)

📅 2021

I busbed tables and assisted kitchen and wait staff. Having to assist in so many aspects of the restaurant helped develop my team work skills. I worked mainly off tips, which incentivized me to work hard.