JUSTIN FOSTER

Computer Science Student, Graduating May 2023

@ justindeanfoster@gmail.com   justindeanfoster.com   in justindeanfoster   github.com/justindeanfoster

EDUCATION

B.S., Computer Science

University of Texas, Austin

August 2019 – May 2023   Austin, Texas

- GPA: 3.71
- Named Lockheed Martin Rotary and Missions Systems Undersea Scholar by Dolphin Scholarship Foundation
- University Honors Fall 2020

High School Diploma

The Woodlands College Park High School

May 2019   The Woodlands, Texas

- GPA: 5.17

EXPERIENCE

Lifeguard/ Swim Instructor

YMCA

May 2019 – Sept 2019   The Woodlands, Texas

- Certified and proficient in first responder skills such as Life saving, CPR, First Aid and excels with execution of complex procedures during high stress situations.
- Instructed 50 students a week and monitored progress while responding with constructive feedback for skills requiring improvement.

Intern

PBK Architecture

April 2018 – July 2018   Houston, Texas

- Created, printed, and modified high level blueprints in AutoCAD and Revit.
- Reviewed and checked technical drawings by architects, CAD technicians, and drafters.
- Implemented high level building design and presented them to the company President and Program Manager
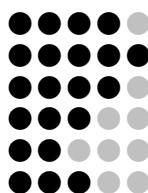
SKILLS

C, C++
Java
Python
Git
Linux/ Unix
Adobe Photoshop

LEADERSHIP

Computer Manager of Tejas

The Tejas Club

Dec 2020 – Present   Austin, Texas

- Manage Club website and online presence
- Serve as an Officer of the Tejas Club

Eagle Scout

Boy Scouts of America

2010 – 2017

- Led projects, planned campouts finishing with 120 nights, and pioneered volunteer events through the Boy Scouts
- Organized, designed, and led a final Eagle Scout project over the course of 3 months:
  - Built a 7 ft Wooden Kiosk outside of Lake Creek preserve
  - Kiosk Displays Preserve wildlife information, history, and trails

PROJECTS

Evil Hangman

- Java project based off of the game Hangman
- Uses TreeSets, dictionaries, and families of words to cheat the player into losing the game
- System wins by never choosing a word and whittling down options until user runs out of guesses

Pintos Operating System

- Semester-long project to refactor and add functionality to a toy Operating System
- Implemented priority scheduling for processes and allowed argument passing on the stack
- Enacted system calls for user programs, added virtual memory, and converted the existing single-thread file system into an multithreaded, multi-level indexed file system.

iOS Helios

- iOS App Designed to more easily crowd source data to be used in Machine Learning Models
- Competitive project for Science Fair Advanced our two person team to Houston Regionals