Caden Westmoreland

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https://cadenforrest.github.io/home/

SUMMARY

B.S. Computer Science graduate with experience in ML application development and web development. Seeking employment beginning December 2021.

EXPERIENCE

Manufacturing Engineering Intern
Airborn Inc   **May 2019 – August 2019, Georgetown, TX**
· Assisted with management of two production lines with 20+ employees.
· Designed and manufactured tools to make production processes safer and more efficient.
· Created a database application to track work orders, floor productivity, and active issues.

Undergraduate Research Assistant
Texas Petawatt Laser   **May 2017 – October 2017, Austin, TX**
· Assisted Ph.D students and professors with conducting fundamental research into exotic states of matter with ultra-high energy densities and electromagnetic fields.
· Developed a software/hardware solution to remotely control dozens of mirror positions and angles inside of the laser, accurate to a micrometer.
· Worked independently of management

EDUCATION

Bachelor of Science in Computer Science
Minor in Applied Mathematics · Texas State University · San Marcos, Texas

COURSEWORK

Computer System Security
Texas State University · Research, Network Scanning, Vulnerability Scanning, Attack prevention

Introduction to Machine Learning
Texas State University · Problem Solving, Programming, Applied Statistics
Created a Jupyter Notebook which predicted risk of abuse of different types of drugs based on personality traits.

Introduction to Artificial Intelligence
Texas State University · Teamwork, Data Structures and Algorithms, A* Search
Created an intelligent expert system which diagnosed patients with different types of cancer based on their symptoms

Web Development
Texas State University · Design, Research, Programming, Problem Solving
Created a website which showed my skills as a web developer with Python, Flask, HTML and CSS

INVOLVEMENT

Founder
University of Texas at Austin · Porchfire Records · November 2016 – March 2020
· Founded a record label to promote local Austin musical talent.
· Recorded, mixed and mastered several albums for various bands on the label.
· Recorded, mixed and mastered a live-in-studio YouTube series called Transient Sessions in which various artists performed live in a studio environment.
· Coordinated events to promote live music around Austin, Texas.

CERTIFICATIONS

Python Skill Assessment Badge
LinkedIn · 2020
Certified in Python Development and Machine Learning Applications

PROJECTS

Zeus

July 2021

· Collaborated with former Reddit Staff Engineer to create statistical tools for analyzing Dota 2 matches and meta trends

SKILLS

Front End: React, JavaScript, ThreeJS

Backend: Django, Flask

Machine Learning: Python, Sci-kit Learn, TensorFlow, PyTorch, Pandas

C++, Agile Development, SCRUM