Kaleb Dickerson

Austin, TX 78728
512-801-1561 kaleb.dickerson2001@tamu.edu linkedin.com/in/kaleb-dickerson2023 github.com/Prometheus1400

Objective

Junior computer science major seeking internship opportunity to focus on software engineering with an emphasis on problem solving and innovation.

Education

Texas A&M University **May 2023**
Bachelor of Science in Computer Science *College Station, TX*
Minor in Mathematics

Technical Skills

Languages: Python, C/C++, JavaScript/Node
Technologies/Frameworks: Linux, React, PyTorch
Other: Machine Learning/Graph Neural Networks, Game Design, HDL, Assembly

Experience

Texas A&M University **September 2021 – Current**
Peer Teacher *College Station, TX*

- Peer teacher for Introduction to Program Design & Concepts
- Instruct students on concepts and assignments, and lead lab sessions of 30 students
- Help students visualize problems by drawing pictures, re-explaining problems in simpler ways, or active demonstrations
- Practice communication skills and patience, gain experience teaching others

Texas A&M University **June 2021 – September 2021**
Research Assistant *College Station, TX*

- Research assistant under Dr. Shuiwang Ji in machine learning
- Worked in teams of 5 requiring intense collaboration to develop new uses for graph neural networks, designed networks to excel at tasks like 3D geometry prediction for molecules
- Competed in open challenges such as the 2021 KDD Cup hosted by Stanford University
- Acquired experience reading research papers, using PyTorch to implement different deep learning models, and processing extremely large datasets of up to 120 million molecules

Home Depot **May 2020 – August 2020**
Cashier *Round Rock, TX*

- Expedited customer checkout while selling 50,000 different items of inventory
- Gained experience with customer service and following company policies

Cinemark **May 2018 – July 2019**
Usher / Box Office *Austin, TX*

- Managed a small team of 3-5 ushers
- Kept to a strict cleaning schedule, and learned responsibility and teamwork

Projects

Melo | *Python, Django, JavaScript, React, Spotify API, OpenCV* **September 2021**

- Created web application during a hackathon with a group of 4 using React and Django to detect user mood, and play a song fitting that mood
- Sent picture of user to backend, used an OpenCV pretrained network to detect 1 of 7 different emotions
- Mapped emotions to 10 characteristics such as max valence, used to differentiate songs based on emotion
- Played random song matching emotion in the UI using Spotify API

Honors

National Society of Collegiate Scholars **January 2020 - Current**
Dean's Honor Role **Jan 2020 - Current**
Engineering Honors **Jan 2021 - Current**