Vanessa Dickerson

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320 Ball St
College Station, Texas, 77840

EDUCATION

Texas A&M University (TAMU), College Station, Texas

Bachelor of Science in Computer Science, May 2026
GPA: 3.56

RELEVANT COURSEWORK

Data Structures and Algorithms | Programming Languages | Computer Organization | Principles of Statistics I | Program Designs & Concepts | Discrete Structures in Computing

TECHNICAL SKILLS

Python | C++ | Javascript | Data Analysis | Frontend Development | AWS | Git, Github | React | SQL | CI/CD | Azure | Agile Development

RELEVANT EXPERIENCE

Torres & Associates, College Station, TX

Web Application Developer (40 hours/week), Incoming: May 13th, 2024 - Continuing

- Served my local community in the development of a cutting-edge Flood Early Warning System for the City of Bryan for use in rapid response to flood events
- Worked alongside an interdisciplinary team of civil and system engineers to develop data visualizations and Asset Management systems that would support the final user's needs, going so far as to meet with Hydrologic Operations Managers from Harris County
- Developed SQL database schemas, APIs for rapid information retrieval on the front end, and numerous visualizations in a modern React-focused tech stack to meet client goals

RELEVANT PROJECTS

Is-It-Phishy, Personal Project

Sole Developer (20 hours/week), April 2024 – May 2024

- Developed a neural network trained on a public dataset of phishing URLs to detect whether a URL was phishing or legitimate with 95% accuracy
- Built an API using Python's Flask to process and transfer URLs, their characteristics, and model predictions to a frontend React app for interactive gameplay
- Designed a webapp game using ReactJS, NextJS, and Chakra UI to enable interactive competition between players and the neural network

NeoNeoPets, Texas A&M University, Aggie Coding Club

Head Project Manager (15 hours/week), September 2022 – January 2023

- Created a cloud-hosted webapp built using a .NET framework implementing Git, Azure, and numerous routing technologies to enable effective and secure user data routing
- Developed a software architecture from the bottom up after seeking guidance from numerous experts in order to effectively address development concerns
- Scripted components and features in order to enable my team to keep running smoothly and to keep a consistent project structure

LEADERSHIP

Transcend, Texas A&M University

President, May 2024 – Current, *Associate Officer,* January 2024 – May 2024

- Collaborated with faculty, miscellaneous TAMU clubs and organizations, and other students in order to deliver necessary transition related information and resources
- Engaged in activism directly with journalists, fellow students, and university leadership to combat anti-trans decisions at Texas A&M alongside the Queer Empowerment Council

ACTIVITIES

Aggie Coding Club (ACC)
August 2022 – Current
Out in Science, Technology, Engineering, and Mathematics (OSTEM)
September 2022 – Current
Transcend
August 2022 – Current
Queer Empowerment Council (QEC)
May 2024 – Current