

Sophie Guinan

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Bilingual (French) senior with hands-on teaching experience. Skilled in technical communication, as well as coordinating and working within group projects to develop software.

EDUCATION

University of Arizona

Bachelor of Science in Computer Science. 3.25 GPA

Tucson, AZ

Aug 2020 – May 2024

EXPERIENCE

Undergraduate Teaching Assistant

2021 – 2022

University of Arizona

Tucson, AZ

- Assisted professors educate students during lecture in subjects relating to software design, computer linguistic syntax, and other associated topics.
- Worked in a group environment, coordinating with fellow teaching assistants to manage grading and other educational needs.
- Met with individual students to resolve technical problems and misunderstandings of class material.
- Graded homework and evaluate student performance over throughout the semester for a class section (15 students).

Teaching Assistant

2016 – 2020

Creative Arts Center of Dallas

Dallas, TX

- Volunteered to teach arts, leadership, and teamwork skills to at-risk teenagers, aged 13-17.
- Prepared and cleaned up assorted workshop equipment, including MIG and TIG welders, oxy-acetylene torches, electric cutters and sanders, etc.
- Educated students in the operation of workshop tools, including welders, grinders, as well as personal safety equipment.

PROJECTS

Handwritten Number Recognition | *Python, TensorFlow, OpenCV2*

2021

- Developed a Machine Learning model to recognize images of handwritten digits with high accuracy. (>90%)
- Processed image data using OpenCV2 to normalize input for model interpretation.
- Used Modified National Standards and Technology data set for model training.

Network Attached Storage Server | *TrueNAS*

2023

- Implemented a Network Attached Storage Server for personal data archival.
- Deployed server on headless hardware configuration using custom system configuration for automated install.
- Updated local network configuration to allow for remote archiving.

TECHNICAL SKILLS

Languages: Java, Python, C, MIPS, HTML, MatLab

Tools: Git, Google Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse, VirtualBox