Octavia Blackwood

Machine Learning Intern

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Aspiring machine learning intern seeking a role in Duo Security, where I can use my expertise in data entry and project contributions to improve object recognition accuracy. Eager to leverage my software skills to further improve Duo Security's renowned cloud and cybersecurity solutions.

WORK EXPERIENCE

Cofactor Genomics - Data Entry Specialist

2022 - current   Ann Arbor, MI

- Collaborated with bioinformaticians to preprocess and clean raw sequencing data, cutting data preprocessing time by 1.3 hours.
- Developed and maintained a data tracking system, improving data traceability and lowering data loss incidents by 18%.
- Participated in data clean-up initiatives, resolving and consolidating duplicate records, resulting in a 12% decrease in data redundancy.
- Designed automated data validation scripts in Python with Pandas, reducing manual error checks by 72% and accelerating the *speed of data entry by 29%.*

PROJECTS

ImageRecog - Class Presenter   2022

- Built interactive Jupyter notebooks with embedded code cells for real-time model demonstrations in class.
- Implemented a deep learning model using TensorFlow, achieving a *76% accuracy rate in object recognition.*
- Incorporated error analysis and confusion matrix visualization in presentations, aiding classmates to understand model limitations and areas for improvement.
- Created data visualizations using Matplotlib to illustrate the project's dataset distribution.

Be A Tech Savvy Community - Volunteer   2021

- Conducted weekly one-on-one training sessions, resulting in a 94% improvement rate in seniors' ability to make calls, send texts, and use apps as per feedback.
- Led Microsoft Office workshops for seniors interested in acquiring more specialized skills, such as mail merge and pivot tables, aligning to their specific needs.
- Assisted seniors in setting up 27 email accounts, helping them communicate with family and friends online.
- *Supported 11 seniors* in setting up their Google Workspace account, including strong password creation and two-factor authentication, enhancing their online security.

EDUCATION

University of Michigan - Bachelor of Science, Computer Science

2020 - current   Ann Arbor, MI

SKILLS

Microsoft Office; Google Workspace; Jupyter; Matplotlib; Pandas; TensorFlow