

# Ulysses Ochoa

Firebaugh, California | (559) 352-0497 | ulysses.ochoa02@gmail.com | [GitHub](#)

## EDUCATION

### California State University - Fresno

December 2024

B.S. Computer Science | Advanced Cybersecurity, Certificate of Special Study

- **Relevant Coursework:**

System & Computer Security, Applied Biometric Security, Internetworking Systems and Protocols, Data Structures and Algorithms, Computer Organization & Operating Systems, Discrete Mathematic, Deep Learning, Computer Graphics & Game Development

## WORK EXPERIENCE

### Firebaugh Las Deltas Unified School District Firebaugh, CA

June – August, 2016 – 2019, 2025 (Volunteer)

#### Information Technology Technician

- Diagnosed and repaired hardware and software issued on computers, enhancing device functionality and user productivity
- Performed regular maintenance and updates on computer systems to ensure optimal performance and security compliance
- Provided technical support to staff, troubleshooting IT issues and delivering timely resolutions to minimize downtime
- Managed data backup processes to protect sensitive information to ensure optimal performance and security compliance
- Installed and configured wireless access points to expand network coverage and improve connectivity for end users
- Organized, cleaned, and rewired Intermediate Distribution Frame (IDF) and Main Distribution Frame (MDF) closets for improved network efficiency and ease of access

## TECHNICAL KNOWLEDGE

**Languages:** C++, Python, SQL, HTML, CSS

**Systems:** Windows, Linux, Mac OS

**Applications:** Visual Studio Code, Xcode, Git, GitHub, Microsoft Office, Adobe Photoshop

## PROJECTS

### Archivr - Media Recommendation Web App (SQL, Cloud) | Database Developer

Link: <https://archivr.vercel.app/>

- Configured and deployed a cloud server on Digital Ocean to support back-end and database requirements, optimizing for remote team access
- Set up and managed an SQL database for media indexing and user data, ensuring secure authentication and efficient data retrieval
- Implemented remote access configurations for seamless team collaboration, including secure connection protocols

### Age Estimation and Mask Detection Model (Python) | Developer

GitHub Link: <https://github.com/uly0-0/AgeEstimationandMaskDetectionModel>

- Implemented face recognition model by conducting data preprocessing, feature extraction, and classification.
- Developed the model using a convolutional neural network and used haar cascade classifiers for face detection
- Achieved an accuracy of 62.39 % for the age estimation and 94.25 % for the mask detection by utilizing libraries such as TensorFlow, NumPy, and scikit-learn.

### Phishing Website Detection Using Multilayer Perceptron (MLP) and Feature Engineering (Python) | Developer

- Developed a multilayer perceptron (MLP) model using Python and TensorFlow to classify phishing websites with a 95-97% accuracy
- Preprocessed and engineered features on the UCI Machine Learning Repository dataset to optimize model performance
- Evaluated the model using precision, recall, F1-score, and ROC-AUC metrics
- Collaborated on project documentation, presenting results in a Jupyter Notebook for academic review and reproducibility

**Languages:** English (native), Spanish (native)