

Ultralyzer

A pipeline to analyze retinal UltraWidefield images using MVC GUI structure and background processing.

Project Structure

```
Ultralyzer/
├── LICENSE
├── README.md
├── pyproject.toml
└── src/
    └── ultralyzer/
        ├── __init__.py
        ├── apps/
        │   ├── __init__.py
        │   ├── app_factory.py
        │   └── app.py
        ├── controllers/
        │   ├── __init__.py
        │   └── main_controller.py
        ├── models/
        │   ├── __init__.py
        │   └── image_model.py
        ├── views/
        │   ├── __init__.py
        │   └── main_view.py
        └── utils/
            ├── __init__.py
            └── db_utils.py
└── tests/
    ├── __init__.py
    └── test_app.py
└── requirements.txt
```

Modules

- **apps**: Application entrypoints and factory.
- **controllers**: GUI controllers.
- **models**: Data models (e.g. SQLite database interactions).
- **views**: GUI layouts.
- **utils**: Utility functions (e.g. image processing, DB utils).