Christoforos Kagias

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Greece

Education

- BSc (Hons) in Computer Science, University of East London in Greece — Expected June 2028

Projects

Credit Risk — *github.com/ckagias/credit-risk*

- Built and compared several machine learning models using Python, Pandas and Scikit-learn to find which loan applicants are unlikely to repay their loans.
- Used SQL and SQLite to summarize each applicant's past loans into extra information for the model, improving its predictions in every round of testing.
- Tracked each model trial using MLflow to compare the results and find the best one to use.

Movie Recommender — *github.com/ckagias/movie-recommendation*

- Built a movie recommender using Python, Pandas, TF-IDF and K-Means, with a Jupyter Notebook demo that finds similar films and explains why each one is recommended.
- Wrote a collaborative filtering model from scratch using NumPy that learns from what people with similar taste rated to predict ratings for unseen movies.
- Trained a model using PyTorch to rank movies and beat the rating model on ratings it had never seen.

AI Cooking Assistant (Hackathon Project) — *github.com/ckagias/ai-cook-assistant*

- Built an AI Cooking Assistant using Python, FastAPI and SQLite that gives spoken feedback on what the camera sees, helping blind or low-vision people cook independently.
- Added hands-free voice control in Greek and English using the Web Speech API and FastAPI that lets cooks change steps and start timers while their hands are busy.
- Reviewed teammates' pull requests and ran tests using GitHub Actions to catch bugs before merging.

Community Bot — *github.com/ckagias/discord-bot*

- Created an open-source Discord bot using TypeScript, Node.js and Discord.js that helps people manage and entertain their servers with moderation, music, leveling and games.
- Replaced manual deploys with a CI/CD pipeline using GitHub Actions that checks the code on every change and deploys the bot once all checks pass.
- Containerized all services with Docker Compose so the whole system starts with a single command.

Experience

WordPress Developer (Contract) at SKKA A Life Plan, Athens, Greece — *April 2026 to June 2026*

- Redesigned the main pages of alifeplan.eu using WordPress to match the organization's new branding.
- Explained design choices to staff and revised pages from their feedback to finish the redesign faster.

Technical Skills

Languages: Python, SQL, TypeScript, JavaScript, Java, C, Bash

AI & ML: PyTorch, Scikit-learn, NumPy, Pandas, MLflow

DevOps & Infrastructure: Docker, Git, GitHub Actions, CI/CD, Linux