LUCA DUMITRU

CONTACT

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SKILLS

- Intermediate knowledge of Python (Flask)
- Solid understanding of C
- Solid understanding of OOP
- Familiar with Git/GitHub and Linux environments
- Intermediate knowledge of JavaScript, HTML and CSS

EDUCATION

- Pursuing a Bachelor of Science in Computer Science, Faculty of Automatic Control and Computer Science, University Politehnica of Bucharest (2023 – expected 2027).

ABOUT ME

I'm a Computer Science graduate passionate about saving time—both my own and others'. One of the best ways I've found to do that is by building tools that simplify complex tasks. I've created projects like a YouTube Transcript Generator website, a RAG-based application, and more. I enjoy using my skills in C, Java, Python, and JavaScript to turn ideas into practical solutions. Watching people actually use and enjoy what I built is what makes all the effort worthwhile.

PROJECTS

YouTube Transcript Generator   Jun 2025 - Present

- Web app for extracting and formatting YouTube video transcripts, helping users quickly find information and repurpose content.
- Developed backend API in Python (Flask) for transcript extraction and processing.
- Built a responsive frontend interface using JavaScript, HTML, and CSS.
- Integrated YouTube API and OpenAI API for automated summarization and chat features.

Impact: Enabled users to find answers in long videos (e.g., 50-minute videos) in about 15 seconds, significantly reducing time spent searching for relevant content and improving overall accessibility.

Live project: *https://youtubetranscriptgen.com/*

RAG – Retrieval-Augmented Generation Project   Feb 2025

- Python-based project implementing retrieval-augmented generation to provide fast, context-aware answers from large text datasets.
- Focused on optimizing processing time and relevance of answers from unstructured text data.

Impact: Enabled retrieving accurate answers in just a few seconds, even when working with tens of large documents, significantly improving efficiency for research and learning tasks.

HOBBIES AND INTERESTS

Aviation is a big passion of mine, and I hold an ultralight aircraft pilot license. Beyond the technical side, flying gives me balance and a strong sense of discipline, and I enjoy sharing this interest with others who love aviation.