

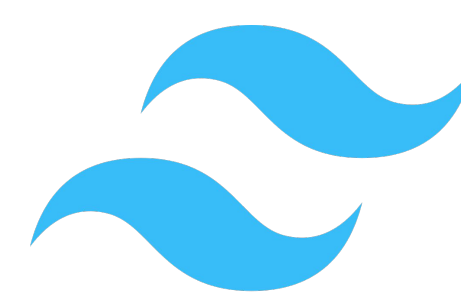
Frontend



Next.JS



TypeScript



Tailwind



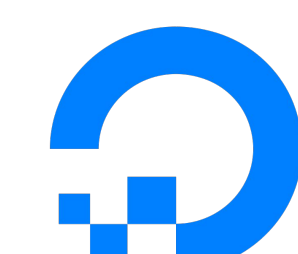
Clerk Auth

shadcn/ui

Backend



heroku



DigitalOcean



Hugging Face



Flask



mongoDB Atlas

NGINX

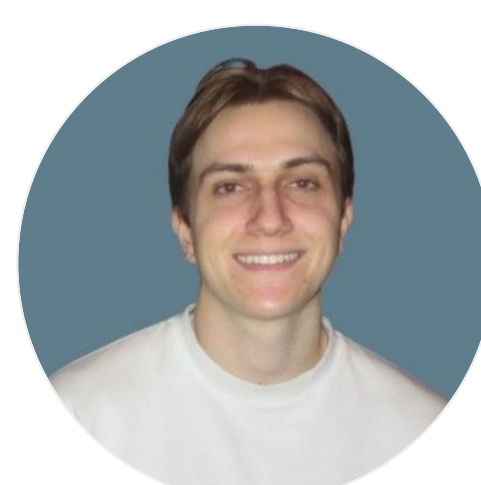
Gemini

Editor

- Allows users to take notes using markdown or menu bar buttons for formatting
- Once you stop typing, you are given an autocomplete suggestion (similar to Copilot)
- Notes are automatically saved after you're done typing



Davis Banks

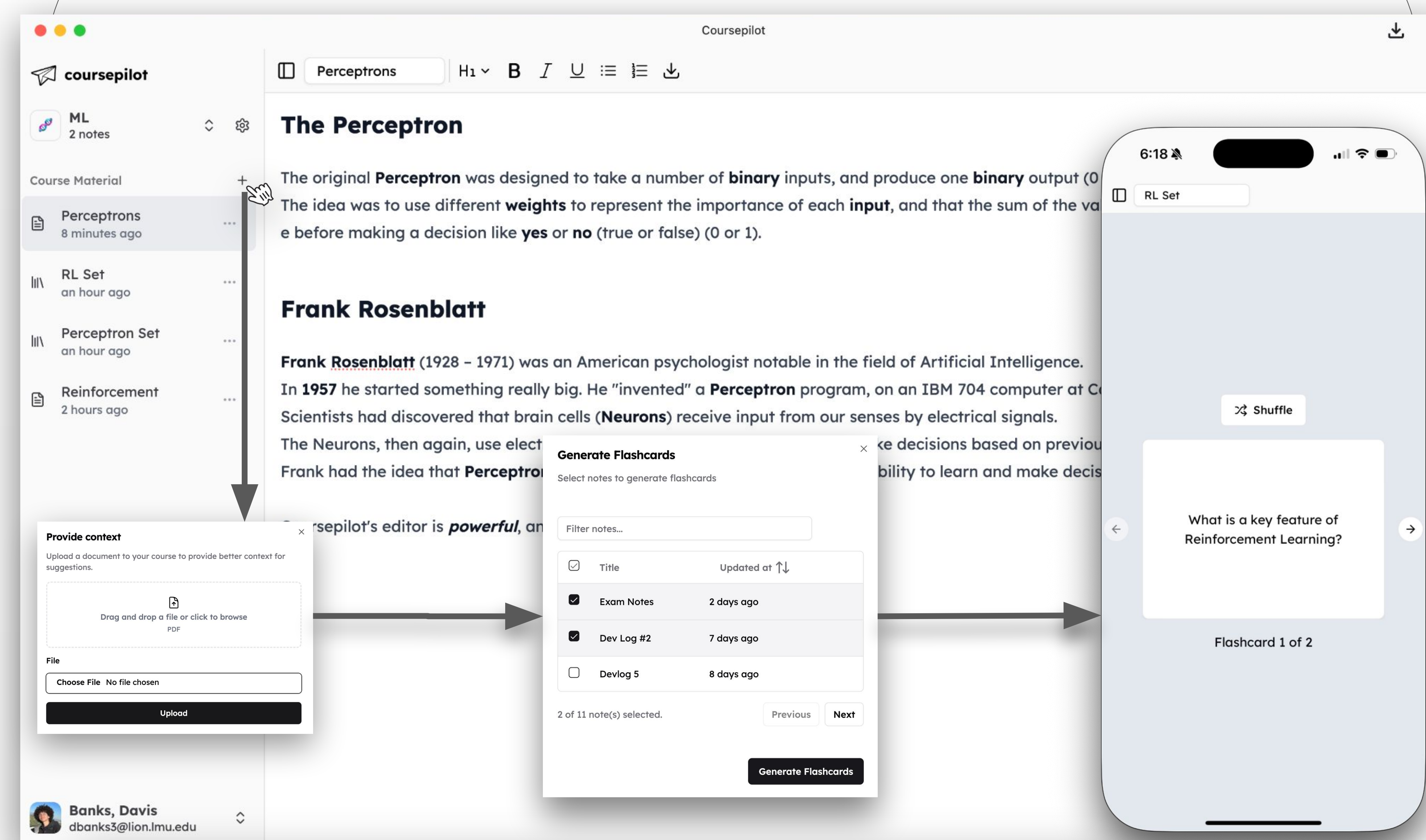


Lucian Prinz



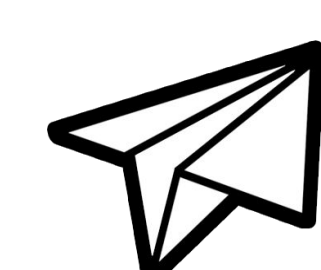
David Yang

User Interface



(Preview for MacOS & iOS, PWA)

Purpose



coursepilot is a web app that leverages AI to help accelerate, not replace, the learning process. We are hoping to to:

- help students take notes faster, with note autocomplete
- generate flashcards and quizzes based on notes/document uploads



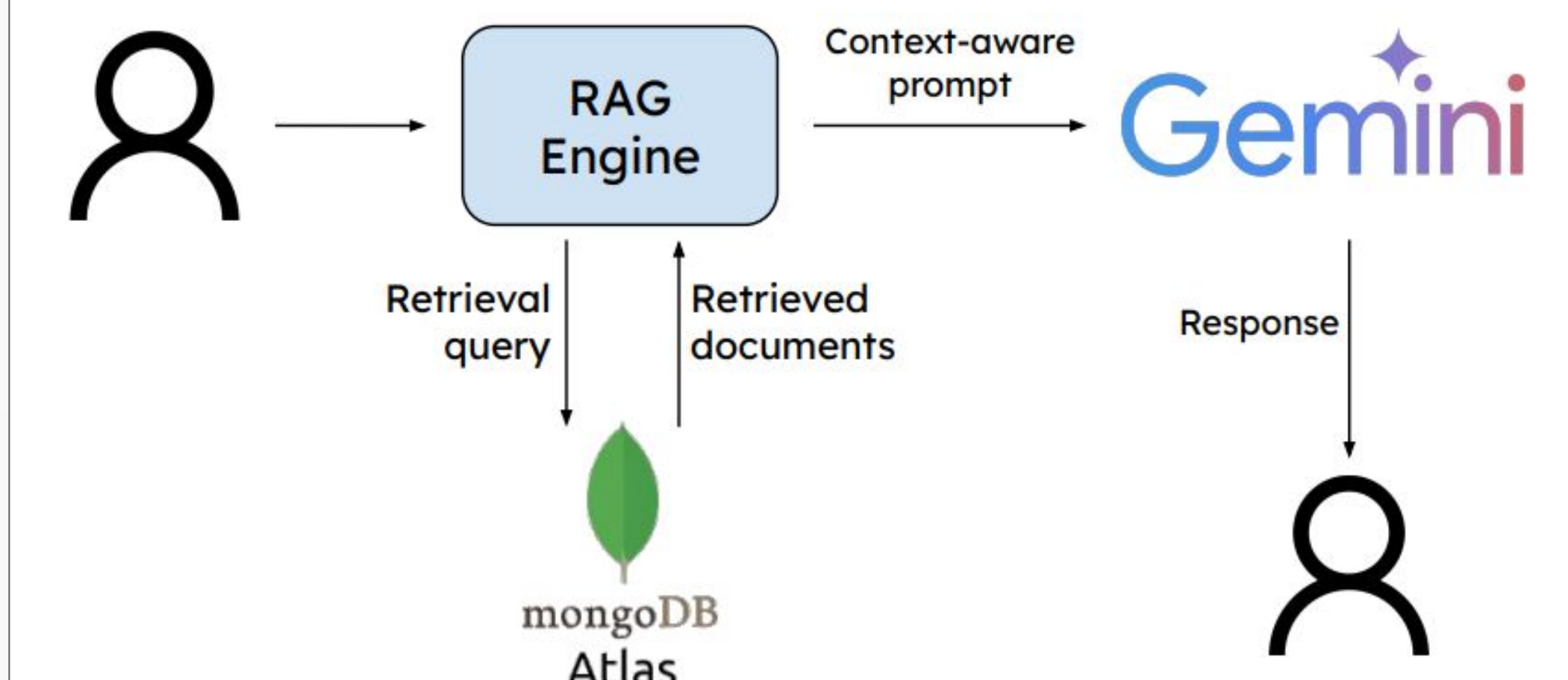
Sign in with LMU



AI

- Using note context alongside previously uploaded PDFs, we're able to suggest sentence completion using a large language model
- Flashcard sets with quiz questions are generated on the content of selected notes

RAG



- Retrieval Augmented Generation (RAG) is an AI technique that enhances LLMs by integrating external sources of information
- We use RAG to help generate accurate autocomplete, relevant flashcards, and comprehensive quizzes by extracting the key concepts from your notes