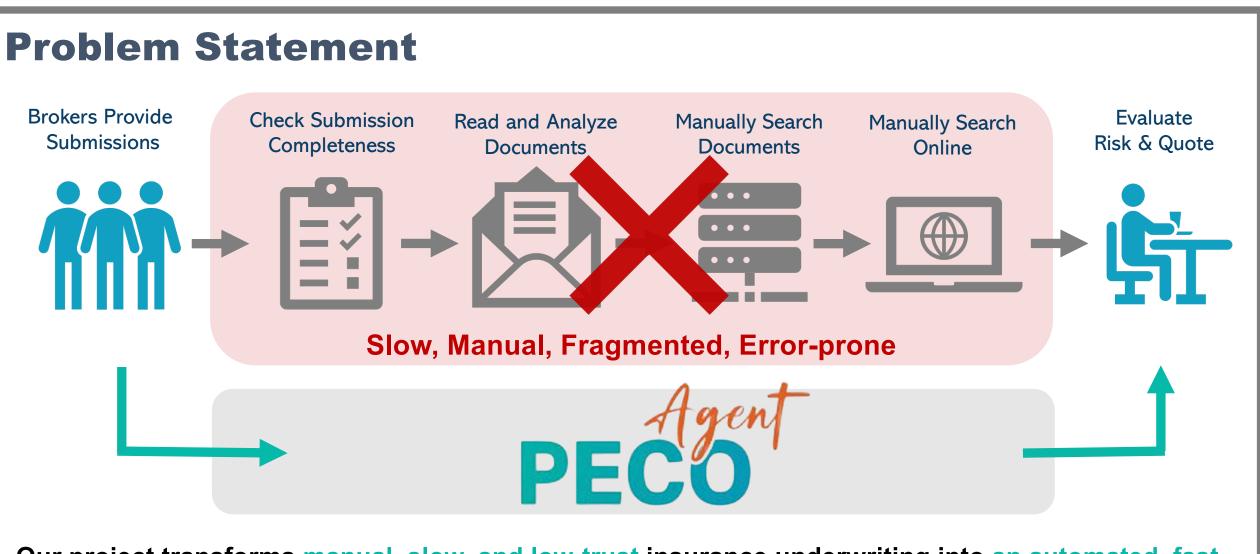


Angel Xie

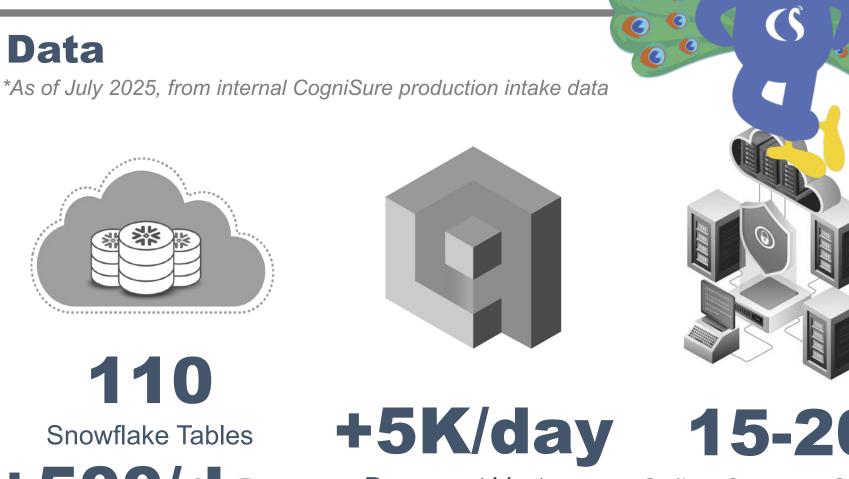
Agent Peco: ::: Slashing Insurance: Underwriting: from Days to Minutes: :::::

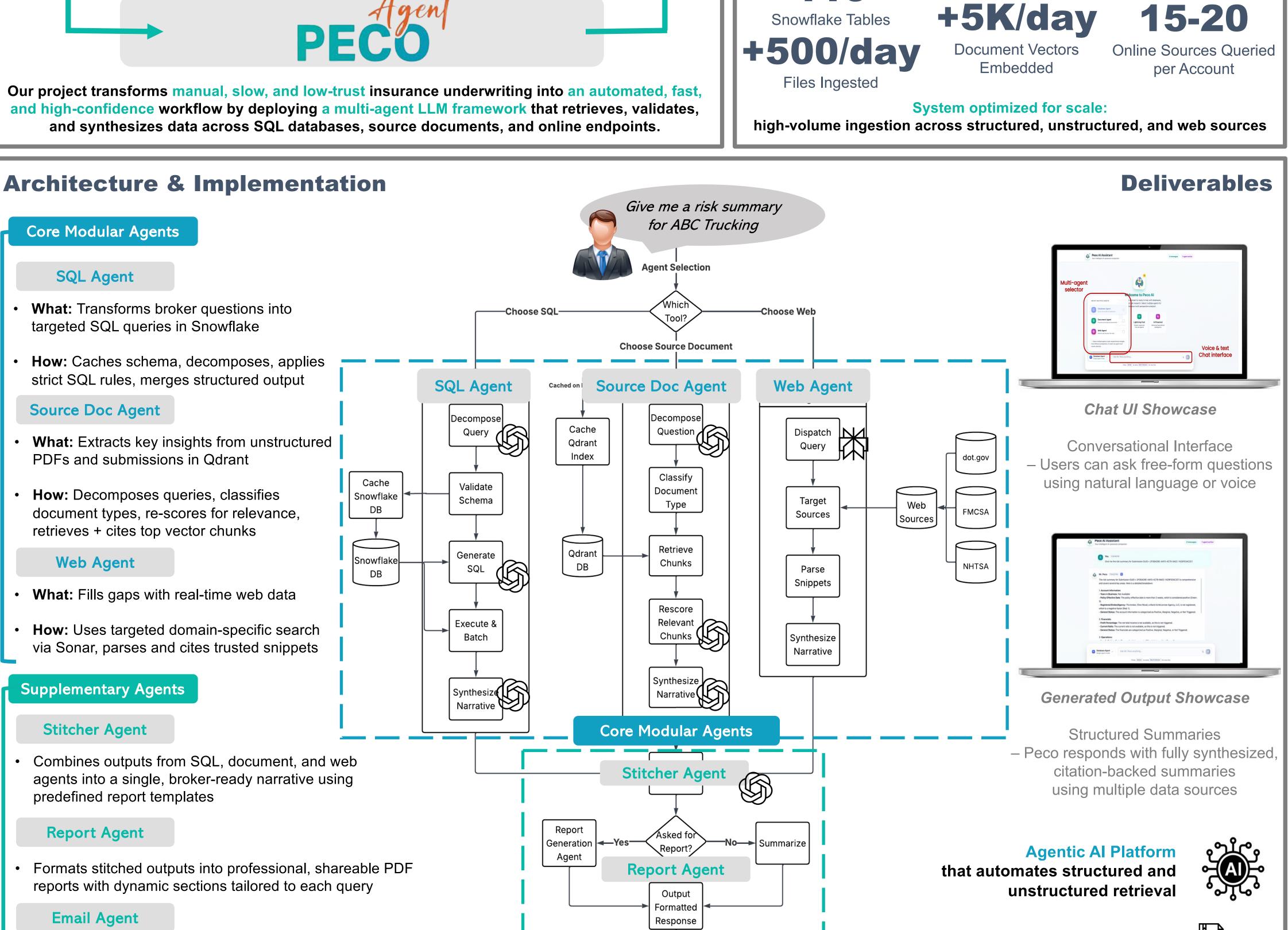
Faculty Advisor: Professor Alexandre Jacquillat CogniSure Sponsors: Sai Raman, Punitha Geetha

Ethan Zalasin



and high-confidence workflow by deploying a multi-agent LLM framework that retrieves, validates, and synthesizes data across SQL databases, source documents, and online endpoints.





Asked for

Email Agent

Supplementary Agents



Tech Stack

Frontend: React



Backend: FastAPI + LangChain/LangGraph

Automates session-specific direct report delivery via email



96%

Generation

per submission



Scaling efficiency. Saving costs. Transforming underwriting.



Peco Demo

Stitched Risk Reports

& One-click Email Dispatch

compiled from multimodal sources

Downloadable PDFs with inline citations

2. Underwriter Capacity





3. Bind Ratio 6. Client Satisfaction

1. Speed-to-Quote

4. Audit Readiness

5. Decision Confidence