

## Experience

---

### Apsilon

Remote

R/Shiny Developer

March 2023 – Present

- Developed internal Retrieval-Augmented Generation (RAG) tools for natural language interaction with LLMs on AWS Bedrock, integrating Pinecone, FastAPI, and R/Shiny to access internal knowledge and technical documentation.
- Built a full-stack Shiny app for Boston Medical Center to explore and share health equity data across common data models; featured in *Journal of Clinical and Translational Science* ([\(Adams et al., 2024\)](#)) and presented at [Shinyconf2024](#).
- Designed a reusable Shiny app template for a global pharmaceutical client, reducing app development time from several months to a few weeks across clinical study teams and increasing test coverage from 0% to 90%.
- Authored a widely-read [Shiny security guide](#), covering authentication, authorization, input sanitization, and deployment best practices. The post has become a reference for the R community and appears at the top of Google search results for “Shiny security.”

### 24saatteis

Istanbul, Turkiye (Hybrid)

Data Scientist

Jan 2019 – Feb 2023

- Developed a Bimodal Neural Network using Tensorflow that predicts job candidate's OCEAN personality scores and Interview probability from video interviews with 90% accuracy.
- Built and deployed multiple predictive models to AWS Lambda with SQL, Python & R, including:
  - Ranking algorithm that boosted customer retention 30% by predicting the likelihood of a candidate applying to a given job listing using logistic regression
  - Recommendation algorithm that computes similarity between ISCO job classifications
  - NLP model that detects malicious content with 95% accuracy.
- Built a Shiny-based internal notification tool integrated with OneSignal, allowing dynamic, rule-based targeting of users based on candidate-job fit scores and deployed to AWS EC2. Enabling marketing and operations teams to run campaigns without dev support.
- Integrated and designed Salesforce for the organization, build ETL model for feeding data from database to Salesforce

## Open Source Projects & Conference Talks

---

### [gait](#)

- CLI tool for reviewing code changes using LLMs. Built with Python's Typer library and OpenAI API.

### [tefasr](#)

- R package for getting historical data of public investment funds in Turkey.

### [can-taslicukur.github.io](https://can-taslicukur.github.io)

- My personal website built with love

