Company background

Founded in 2014 by Spence Campbell, Infinity Concrete began as a specialist in custom residential foundation and site work. In 2022, Sean McGarity partnered with Spence to expand the company's capabilities, introducing commercial concrete construction services. Together, they transformed Infinity Concrete into a growing turnkey concrete contractor, offering comprehensive solutions for both residential and commercial projects throughout Texas.

Infinity is committed to innovation and technology-driven solutions. Our goal is to modernize an industry that has traditionally lagged in adopting digital tools, by implementing cutting-edge applications that streamline construction processes and increase operational efficiency.

AI Estimate Analyzer Background

We receive many emails daily for potential bids for our services. Currently it takes manual review to pull out key information from these bids and recommend whether we bid or not bid for each project.

We want you to build an appropriate AI system that reviews these bids as they come in. The application generates a report with key details and a recommendation to bid or not to bid. When these proposals come in they contain several documents, including budgets, drawings, locations, etc. We have a documented bid analysis process we will provide you with as a structure that can be used to generate the final decision. When a bid is approved the bid lead will be notified and review the recommendation put forth by your model.

This project is fairly open-ended in terms of language and framework selection. We want you to pick the appropriate structure for this project to build your model in. We will provide test and training datasets.

Desired Skillset

- Adaptable students willing to research and learn applicable skills to the project

- Strong interest in applied artificial intelligence and machine learning
- Familiarity with neural networks and natural language processing (NLP)
- Willingness to learn new frameworks, tools, and methodologies as needed

Preferred Team Size

We recommend a team of 3 to 5 students to ensure sufficient collaboration.

Location Expectation

All work and collaboration for this project can be done remotely. The Infinity team, based in New Braunfels, Texas, will provide support and regular feedback via virtual meetings and online communication tools.