



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.

Blueprint Translator Background

We receive project proposals from general contractors that include numerous PDFs, typically drawings, blueprints, and plan specifications. These images often contain small, angled, and hard-to-read typed text. We need a program that can extract and translate this text from English into Spanish, or other languages as needed. The translated text should then be displayed back onto the drawings and images.

As a stretch goal, if image-based text translation is successful, we'd like to explore translating the full written proposal documents (multi-page PDFs with embedded text), or at least begin work in that direction.

Desired Skillset

- API Integration
- Familiarity with working with PDFs and images
- Data analysis and organization
- Adaptable students willing to research and learn applicable skills to the project

Project specifics: PDF/image processing, translation APIs, frontend interface

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.