

# aRchitect by OreCode

## Overview

### Goals:

- Learn fundamental frontend and backend development skills.
- Gain vital industry knowledge of Docker and Cloud Deployment.
- Build a production system for real clients starting Spring '24.
- Be mentored by experienced engineers.

### Opportunity:

- Build a cloud platform to run R code in the browser, manage assignments, and autograde R output.
- Technologies: Typescript Frontend (framework TBD), Java/Go/Python Backend.
- Objective: Design & build a production-grade application using industry-standard technologies.
- Scenario: Simplify the setup of RStudio for non-computer science students.

## Company Background

### OreCode Mission:

- Grow students into software engineers and great leaders, communicators, and people.
- Empower local companies, Mines, and the city of Golden with software solutions.
- Create low-complexity, maintainable systems.

### Founders:

- Tyler Wright (CTO) - [tyler@twright.tech](mailto:tyler@twright.tech)
- Ethan Richards (CEO) - [ethanrichards22@gmail.com](mailto:ethanrichards22@gmail.com)

## History and Success Stories

- **First Project:** Initiated in Fall 2023 to track the OreCart transit system for the Colorado School of Mines and the City of Golden. Despite changing requirements, the team delivered a production-grade application.
- **Team Achievements:**
  - 1 engineer secured a full-time job by December 2023.

- 2 engineers received their first internships, citing the project as a key factor.
- The CEO and Co-Founder also secured his first job, largely due to the project.

Disclaimer: *All code written for project aRchitect will be the intellectual property of OreCode Ltd.*