

# Abraham Romo

Civil Engineering Student | BIM Engineer / VDC

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🌐 <https://www.linkedin.com/in/abrahamromo22> | 📁 [Portfolio](#)



## Education

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**Brigham Young University**

B.S. Civil Engineering • GPA: 3.4  
Utah, USA • December 2026

- **Relevant coursework:** Structural Steel Design, Reinforced Concrete Design, Foundation Engineering, Highway Design, VDC, Sustainable Architectural Design, Arquitectural drafting.
- **BIM & VDC:** Autodesk Revit, Bluebeam Revu, Navisworks, Civil 3D, OpenRoads, MicroStation, Sap2000, AutoCAD, SketchUp, Blender, FreeCAD.
- **Data & Automation:** HTML, Google Apps Script, Python, GitHub, Microsoft Excel.

## Experience

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**Brigham Young University**

Provo, Utah

Revit Specialist Intern, VDC

2023-2026

- Developed detailed Revit models and drawings to clearly distinguish between demolition and new construction phases, ensuring seamless transitions for field crews.
- Built and standardized a library of **50+ Revit details and schedules**, improving team efficiency and supporting faster access to code-compliance information.
- Digitized institutional ADA compliance workflows by developing a custom HTML and Google Apps Script web application, reducing documentation turnaround, time surveying, and mitigating human error in site inspections.

**Applied Geotech Engineering Consultants**

Sandy, Utah

Field Engineer Intern

2025

- Orchestrated field logistics by digitizing engineering boring locations onto satellite imagery, ensuring precision drilling execution and mitigating the risk of incorrect boring placement across 20+ construction sites.
- Performed soil classification and field logging in accordance with ASTM-related project requirements, providing critical data for engineering decision-making and project safety.

**Brigham Young University**

Provo, Utah

Low Head Dams Research Assistant

2022

- Conducted multi-state research using **Google Earth Pro** and GIS-based information gathering across **40+ states**.
- Organized geographic and infrastructure-related data to support accurate analysis and streamlined data review.

**EPIC ENGINEERING**

Heber City, Utah

Field soils technician

2023

- Performed field inspections across **13+ job sites**, verifying construction conditions and improving documentation accuracy for project teams.
- Conducted laboratory analysis on **150+ soil samples** and translated findings into clear technical records and reports.

## Volunteer

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**The Church of Jesus Christ of Latter-day Saints**

2020-2022

Peru and Argentina

- Trained **20+ volunteers** in communication, teaching, and goal-setting practices.
- Monitored weekly and monthly progress reports, supporting accountability and team performance.