

# Thomas Bean

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## Education

### **Brigham Young University (BYU) – Provo, UT**

B.S. in Software Engineering (Honors Program) | Expected Graduation: [Year]

GPA: 4.0 / 4.0

BYU Honors Program – pursuing graduation with honors

## Experience

### **Record Linking Lab (RLL), BYU – Team Lead & Research Assistant**

Supervisor: Dr. Joe Price | [Month Year] – Present

- Lead a team of developers building scalable automation tools for genealogical research.
- Developed Grail (grail.rll.byu.edu) — a full-stack web platform streamlining record linkage analysis.
- Designed backend and automation workflows in Python, with supporting technologies in JavaScript, TypeScript, Terraform, Docker, HTML, and CSS.
- Collaborated with FamilySearch and academic researchers to improve data matching accuracy and efficiency.
- Mentored junior developers and managed project timelines.

## Technical Skills

**Languages:** Python, JavaScript, TypeScript, SQL, HTML, CSS

**Tools & Platforms:** Docker, Terraform, Git, Linux, AWS

**Focus Areas:** Software Engineering, Automation, Web Development, Data Processing

## Projects

### **Grail – Record Linking Lab Platform**

- Sole/primary developer of a research platform used by genealogical scholars.
- Implemented data pipelines, automation, and interactive web features.

## **Leadership & Involvement**

- BYU Honors Program – engaged in interdisciplinary research and scholarship.
- Team Lead, Record Linking Lab – managed a development team and coordinated efforts with external stakeholders.