

# Zaiyah Leinen

Senior Civil Engineer

## Profile

I have over 10 years' experience as a Senior Civil Engineer. I have worked on various projects, both large and small scale. I am experienced in all aspects of civil engineering, from design to construction management. I am a highly motivated individual who is able to work independently or as part of a team. I thrive under pressure and enjoy working on challenging projects.

## Employment History

### Senior Civil Engineer at Herzog Associates, P.C., VT

Mar 2022 - Present

- Led a team of 12 junior civil engineers in the construction of a \$21 million dollar bridge.
- Successfully completed the design and launch of 3 new products with combined sales exceeding \$10 million dollars within 6 months.
- Was responsible for increasing productivity by 15% through process improvements resulting in an annual savings to the company of over \$1.5 million dollars.
- Led a departmental reorganization which reduced costs by 10%.
- Initiated and managed a stakeholder engagement program which resulted in unanimous support for a controversial infrastructure project saving millions of dollars in potential delays or legal challenges.

### Civil Engineer at McFarland Johnson, Inc., VT

Aug 2019 - Mar 2022

- Led a team of engineers in designing and constructing a \$2 million bridge.
- Successfully completed the construction of 2 major highways with a total cost of over \$6.5 billion.
- Constructed a site that successfully mitigated flooding for an area spanning 1,000 acres.
- Orchestrated the realignment of 3 railroad tracks to accommodate increased traffic volume while minimizing disruptions to service.
- Managed the installation of new water treatment facilities that serve 500,000 people.
- Involved in building multiple high rises which are still standing today.

## Education

### Bachelor of Science in Civil Engineering at University of Vermont

Sep 2008 - May 2012

I've learned how to design and analyze structural systems, how to manage construction projects, and how to perform various civil engineering calculations.

## Memberships

American Society of Civil Engineers (ASCE)

Institute of Transportation Engineers (ITE)

## Details

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## Links

[linkedin.com/in/zaiyahleinen](https://www.linkedin.com/in/zaiyahleinen)

## Skills

Calculating loads and stresses

Conducting feasibility studies

Designing infrastructure projects

Identifying environmental impacts

Liaising with clients and other professionals

Managing construction sites

Supervising civil engineering staff

## Languages

English

Japanese

## Hobbies

Reading

Woodworking

Gardening