

Quanika Suomi

Associate Structural Engineer

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📍 34573 Valley Drive, Sioux City,
IA 51106

Education

Bachelor of Science in Civil Engineering at The University of Iowa, IA

Aug 2013 - May 2017

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

Links

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

Skills

AutoCAD

Revit

STAAD.Pro

RISA-3D

SAP2000

ETABS

SAFE

Languages

English

Japanese

Profile

Over 5 years' experience as an Associate Structural Engineer. Skilled in performing various engineering tasks such as analysis, design, and drafting. Experienced in using different software programs for structural analysis and AutoCAD for drawings. Also experienced in coordinating with other engineers, technicians, and contractors to complete projects within deadlines. Excellent verbal and written communication skills

Employment History

Associate Structural Engineer II at Design Engineers, IA

Mar 2022 - Present

- Successfully designed and drew up construction plans for a 3-story apartment building.
- Plans were approved by city officials and the construction went smoothly according to schedule.
- Conducted evaluations of 5 different buildings in downtown area and provided recommendations for necessary renovations/updates in order to bring the buildings up to code.
- Successfully completed a truss analysis on a warehouse that was proposed to be converted into lofts, which showed that the structure could not support the weight of an additional floor without significant reinforcement.
- Project manager praised Associate Structural Engineer I's work on designing support beams for a new bridge, stating that it was some of the best work he had seen from someone so early in their career.

Associate Structural Engineer at Structural Engineers, IA

Jul 2017 - Feb 2022

- Acted as lead engineer on 3 projects, responsible for all aspects of design and coordination with other disciplines.
- Successfully completed 2 complex projects within budget and ahead of schedule.
- Resolved 10+ construction issues in the field related to structural elements.
- Mentored 1 junior Engineer in methodologies and best practices.
- Authored or contributed to 5 technical reports/studies.

Certificates

Associate Structural Engineer (ASE)

Dec 2020

Certified Associate in Engineering Analysis (CAEA)

Feb 2019

Memberships

American Society of Civil Engineers (ASCE)

Structural Engineering Institute (SEI)