

Aria Patel

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SUMMARY

Results-driven Geotechnical Engineer with over 5 years of experience in soil mechanics and foundation design. Proven track record in optimizing construction processes and enhancing project safety through innovative solutions.

EXPERIENCE

Geotechnical Engineer

Jan 2022 - Present

GeoSolutions Inc., San Francisco, CA

- Led a team in the design and implementation of a \$5M foundation project, reducing costs by 15% through innovative engineering solutions.
- Conducted extensive soil analysis leading to a 25% decrease in unexpected site conditions, resulting in a savings of \$200K for the project.
- Utilized GeoStudio and PLAXIS for stability analyses and slope stability evaluations, ensuring compliance with local regulations.

Junior Geotechnical Engineer

Jun 2019 - Dec 2021

TerraTech Engineering, San Jose, CA

- Assisted in the geotechnical investigation for a \$10M residential development project, providing crucial data that improved site preparation efficiency by 30%.
- Implemented field testing techniques such as SPT and CPT, enhancing data accuracy and reliability for foundation design.
- Collaborated with multidisciplinary teams to design retaining walls, ensuring structural integrity while adhering to environmental guidelines.

Intern Geotechnical Engineer

May 2018 - Aug 2018

GroundWorks LLC, Los Angeles, CA

- Supported senior engineers in conducting site assessments and preparing geotechnical reports, gaining hands-on experience in soil sampling and testing.
- Developed a data management system for field data that improved reporting efficiency by 40%.

EDUCATION

Bachelor of Science in Civil Engineering

May 2018

University of California, Berkeley, Berkeley, CA • GPA: 3.7

SKILLS

Technical Skills: Soil Mechanics, Foundation Design, Geotechnical Investigation, Site Analysis

Tools & Frameworks: GeoStudio, PLAXIS, AutoCAD, Microsoft Excel