Aaliyah Brooks

Entry Level Civil Engineer

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SUMMARY

Civil engineering graduate from the University of Colorado Denver (May 2026) with EIT certification and 17 months on a land development team. Designs grading and storm sewer in AutoCAD Civil 3D, writes stormwater management reports and drafts roadway design sheets in MicroStation for 4 subdivisions and a county road.

SKILLS

AutoCAD Civil 3D • AutoCAD • MicroStation • Stormwater Management • Roadway Design
Grading Design • Cost Estimates • Excel • Microsoft Office • Written and Verbal Communication

EXPERIENCE

Civil Engineering Intern 05/2025 - Present

Front Range Civil Partners Lakewood, CO

Part-time during the senior year, full-time since graduation, at a 50-person civil engineering firm.

- Design grading and storm sewer layouts in AutoCAD Civil 3D for **4** residential subdivisions totaling 210 lots.
- Calculate detention pond and inlet sizes for 6 drainage reports under local stormwater management criteria.
- Draft roadway design plan and profile sheets in MicroStation for a 1.8-mile county road widening.
- Develop quantity takeoffs and cost estimates in Excel, keeping 3 bid estimates within 5% of the low bid.

Survey Field Technician (Summer) 05/2024 - 08/2024

Mile High Land Surveying Denver, CO

Summer job on a two-person survey crew.

- Collected topographic survey points with GPS rovers on **20+** sites for design base maps.
- Surveyed curb, gutter and utility stakeout on 2 commercial projects alongside a licensed surveyor.
- Processed field notes in AutoCAD each evening so the office drafting team had current base files.

EDUCATION

Bachelor of Science 05/2026

University of Colorado Denver Denver, CO

Civil Engineering

CERTIFICATES

Engineer in Training (EIT)

Colorado State Board of Licensure for Architects, Professional Engineers and Professional Land Surveyors

07/2026