Adrian Beasley

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SUMMARY

Dedicated Civil Engineering student with hands-on experience through academic projects focused on airport infrastructure and construction. Proven ability to collaborate with teams to perform engineering tasks aimed at enhancing airfield operations. Skilled in utilizing modern design tools and methodologies, like AutoCAD and MATLAB, to address complex challenges. Engaged and excited to participate in practical internships where theoretical knowledge can be applied innovatively. Interests lie in making a lasting impact through effective engineering solutions and sustainability efforts. Actively seeking opportunities that contribute to technological advancements in civil engineering.

EDUCATION

Bachelor's Degree in Civil Engineering 2027

University of Colorado Denver GPA: 3.8 *Denver, CO*

Coursework: *Structural Engineering, Environmental Impacts, Pavement Design, Transportation Engineering*

TECHNICAL SKILLS

- **Design Software:** AutoCAD,Civil 3D,MATLAB
- **Mapping Tools:** GIS
- **Project Management Tools:** Microsoft Project,Asana,Trello
- **Data Analysis Techniques:** Statistical Methods,Simulation Models,Environmental Impact Studies
- **Construction Methodologies:** Field Studies,Quality Control,Site Inspections
- **Engineering Standards:** ASTM,AASHTO,ANSI
- **Sustainability Practices:** LEED,Green Building Codes,Sustainable Materials
- **Presentation Tools:** PowerPoint,Prezi,Keynote
- **Collaboration Platforms:** Google Workspace,Microsoft Teams,Slack
- **Documentation Software:** Microsoft Word,LaTeX,Adobe Acrobat

SKILLS

- AutoCAD
- Civil 3D
- MATLAB
- GIS
- Project Management
- Team Collaboration
- Problem Solving
- Research Analysis

EXPERIENCE

Capstone Project Developer

January 2026 - Present

University Project *Denver, CO*

Focused on developing a comprehensive airfield grading plan while collaborating closely with project partners. Completed detailed research implementations on pavement materials and design specifications under the guidance of faculty mentors to ensure compliance with industry standards. This collaborative effort contributed significantly to enhanced understanding of airfield infrastructure during development phases.

- Developed an airfield grading plan using AutoCAD and Civil 3D for optimized drainage.
- Conducted extensive materials research leading to cost-effective pavement designs.
- Collaborated with four colleagues to present findings to faculty and industry experts.
- Analyzed air traffic data with MATLAB, proposing improved management strategies.
- Enhanced presentation documentation skills, showcasing engineering principles clearly.
- Participated in peer reviews which strengthened teamwork and problem-solving approaches.

Student Research Assistant

September 2025 - December 2025

University Research Lab *Denver, CO*

Supported a faculty-led research initiative analyzing environmental impacts of airport construction. Played an instrumental role in field studies focusing on noise and air quality metrics related to airport establishments, ensuring valuable contributions to ongoing conversations about sustainable practices within aviation.

- Involved in GIS mapping to analyze environmental data relevant to airports.
- Collected vital field data regarding noise and emissions close to construction sites.
- Helped create educational resources concerning sustainable practices in aviation.

- Regular participation in lab meetings fostered a highly interactive academic environment.
- Gained firsthand data collection experience contributing to impactful research publications.
- Engaged in model design predicting airport expansion effects on nearby ecosystems.

LEADERSHIP & AWARDS

- Dean's List, University of Colorado Denver – 2025, 2026
- First Place, University Engineering Design Competition – 2025

CERTIFICATIONS

- Certified Engineering Technician (CET) 2026
- OSHA 10-hour General Industry Certification 2026

PROFESSIONAL AFFILIATIONS

- Member, Civil Engineering Club, University of Colorado Denver – 2024-Present
- Volunteer, Habitat for Humanity – 2025-Present

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

Work Status : Authorized to work in United States. No sponsorship required.

REFERENCES

AVAILABLE ON REQUEST