



# Adrian Beasley

## Airport Civil Engineer Intern

📞 (720) 555-0123 ✉️ adrian.beasley@example.com

🌐 linkedin.com/in/adrianbeasley 📍 1234 Maple Ave, Denver, CO 80202

### 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

University of Colorado Denver 🎓 GPA: 3.8 📅 2027 📍 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

### EXPERIENCE

#### Capstone Project Developer

University Project 📅 January 2026 - Present 📍 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

University Research Lab 📅 September 2025 - December 2025 📍 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.

### STRENGTHS

- 👥 **Team Collaboration**  
Collaborative mindset developed through multidisciplinary team projects instilled confidence among peers and mentors by consistently mutual support.
- 💡 **Problem Solving**  
Approached complex engineering issues creatively, leveraging analytical tools for innovative solutions, winning recognition from faculty and peers.
- ✂️ **Technical Proficiency**  
Skilled in Civil 3D and AutoCAD, quickly synthesized learned techniques into tangible project deliverables aligned with time constraints.
- 📖 **Research Development**  
Instrumental in shaping impactful research initiatives focused on real-world problems facing airport expansion—all completed in collaboration with teams.
- 🗣️ **Communication Skills**  
Presented intricate technical solutions to diverse audiences; valued for interactive presentation style that ensured audience engagement.

### SKILLS

AutoCAD Civil 3D MATLAB GIS

Project Management

Team Collaboration

Problem Solving

Research Analysis

## LANGUAGES

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English Native

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Spanish Intermediate

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## MY CAREER

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- Capstone Project Developer at University Project (6 Months)
- Student Research Assistant at University Research Lab (3 Months)

- 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

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

## CERTIFICATIONS

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

## PROFESSIONAL AFFILIATIONS

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

## ADDITIONAL INFORMATION

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

## REFERENCES

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AVAILABLE ON REQUEST