Autumn French

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SUMMARY

Recent graduate fueled by a Bachelor's in Civil Engineering, focusing on impactful water resources. Skilled in hydraulic modeling and stormwater management from academic endeavors. Proficient with AutoCAD Civil 3D and Microsoft Office Suite. Collaborative communicator eager to apply knowledge in a professional setting. Passionate about contributing to engineering excellence and sustainability through innovative solutions.

EDUCATION

Bachelor's Degree in Civil Engineering 2025

University of Indianapolis GPA: 3.8 *Indianapolis, IN*

Coursework: *Fluid Mechanics, Environmental Engineering, Hydrology, Structural Analysis*

TECHNICAL SKILLS

- **Hydraulic Analysis Tools:** HEC-RAS, SWMM, EPANET
- **Design Software:** AutoCAD Civil 3D, MicroStation
- **Project Management Tools:** Microsoft Project, Trello, Asana
- **Data Analysis Software:** Microsoft Excel, MATLAB, R
- **Communication Platforms:** Slack, Microsoft Teams, Zoom
- **Modeling Frameworks:** GIS, ArcGIS, QGIS
- **Documentation Standards:** ISO Standards, ASCE Guidelines, AASHTO Specifications
- **Testing Methodologies:** Hydraulic Testing, Soil Permeability Testing, Flume Testing
- **Field Equipment:** Theodolite, GPS Surveying Tools, Water Quality Test Kits
- **Regulatory Knowledge:** EPA Regulations, State Water Grants, Local Environmental Planning

SKILLS

- Hydraulic Modeling
- Stormwater Management
- AutoCAD Civil 3D
- Microsoft Office Suite
- Team Collaboration
- Communication
- Data Analysis
- Problem Solving
- Field Assessments
- Engineering Documentation
- Research Skills
- Project Coordination
- Presentation Skills
- Verification Methods
- Environmental Studies

EXPERIENCE

Water Resources Design Intern

June 2025 - August 2025

University Project *Indianapolis, IN*

Engaged as an intern focused on water resource design tasks, supporting campus redevelopment projects while honing practical engineering skills.

- Developed detailed stormwater management plans employing AutoCAD Civil 3D for redevelopment initiatives.
- Performed hydraulic modeling via HEC-RAS to evaluate floodplain effects within local watershed studies.
- Collaborated closely with faculty advisors, compiling comprehensive engineering documentation for project proposals.
- Conducted field assessments for data collection on drainage infrastructures, refining sediment control strategies.
- Crafted extensive reports detailing findings, which notably enhanced communication capabilities and project oversight.
- Received commendations for innovative contributions and effective collaboration with team members.

Hydrology Research Assistant

January 2025 - May 2025

Academic Research *Indianapolis, IN*

Contributed as a research assistant in hydrology-focused investigations, emphasizing urbanization impacts on local ecosystems.

- Analyzed diverse datasets concerning urban overall hydrological impact trends.
- Utilized Microsoft Excel for insightful data visualization, significantly uplifting research delivery.
- Supported the preparation of detailed research papers targeted at impactful publication opportunities.
- Participated actively in weekly discussions, navigating project evolution and future perspectives.
- Cultivated problem-solving abilities through immersive participation in hands-on research activities.
- Played a key role in showcasing research achievements during academic conferences.

LEADERSHIP & AWARDS

- Dean's List, University of Indianapolis, 2024

- Winner, Engineering Design Challenge, 2025

CERTIFICATIONS

- Fundamentals of Engineering (FE) Exam 2026
- First Aid Certification 2025

PROFESSIONAL AFFILIATIONS

- Member, Civil Engineering Society, 2024 – Present
- Volunteer, Habitat for Humanity, 2023 – Present

LANGUAGES

- English (Native)
- Spanish (Intermediate)

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST