

Laura Valencia

Water Resources Engineer

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STRENGTHS

- 💡 **Problem-Solving**
Devised creative solutions during challenging engineering tasks, helping the group meet deadlines and quality goals.
- 🗣️ **Communication Skills**
Effectively explained complicated concepts in simpler terms, making collaboration more productive and enjoyable for the entire team.
- 👥 **Team Collaboration**
Fostered a spirit of teamwork within groups tackling infrastructure improvements which led to enhanced service delivery.
- ✍️ **Technical Writing**
Sharp ability in producing precise documents that articulate complex technical information clearly for varied audiences.
- ✅ **Regulatory Awareness**
Stayed updated about FEMA standards and regional policies, ensuring consistent legal compliance and policy alignment in projects.

SKILLS

Hydrologic Modeling
Stormwater Management
Floodplain Analysis AutoCAD
HEC-RAS Technical Writing
Team Collaboration
Regulatory Compliance
Urban Planning Data Analysis
Project Coordination
Research Skills Site Assessment

SUMMARY

Motivated Water Resources Engineer with a Bachelor's Degree in Civil Engineering, bringing hands-on experience through internships focused on regulating flood risk and optimizing stormwater infrastructure. Proven skills in hydrologic modeling and project management shape proactive solutions for sustainable water resource practices. Strong communicator dedicated to translating complex data into clear presentations for diverse stakeholders. Collaborative team player established connections with contractors and local authorities, ensuring compliance with guidelines while delivering high-quality engineering designs.

EXPERIENCE

Water Resources Engineering Intern

Greenway Solutions 📅 June 2025 - Present 📍 Atlanta, GA

Support surface water projects in assessing urban floods and developing efficient drainage systems under the guidance of experienced engineers. Responsible for preparing various documentation and analyzing hydrological data to improve community resilience against floods.

- Conducted advanced hydrologic models, evaluating urban areas for potential flooding hazards.
- Scheduled and managed meetings with project teams to align objectives and resources effectively.
- Collaborated with suppliers to gather materials needed for drainage system implementations.
- Created comprehensive reports illustrating analysis outcomes tailored for client understanding.
- Monitored site conditions, assisting in field assessments critical for design approval.
- Facilitated stakeholder communication to confirm compliance with local regulations and project timelines.

Engineering Intern

Blue Sky Environmental 📅 June 2024 - May 2025 📍 Atlanta, GA

Engaged directly in projects aiming to improve water management techniques while gaining significant exposure to floodplain analysis. Contributed to collaborative efforts across diverse teams fostering innovative solutions in environmental engineering.

- Assisted in creating detailed floodplain maps enhancing local disaster responses.
- Utilized HEC-RAS software for effective hydraulic modeling in the evolution of stormwater plans.
- Gathered field data crucial for input in watershed assessment activities.
- Designed technical specifications integral for bid packages, facilitating successful project rollouts.
- Co-authored project documents highlighting relevant findings from collaborations with senior engineers.
- Experimented with low-impact development approaches in brainstorming sessions improving community benefits.

LEADERSHIP & AWARDS

- Dean's List, University of Georgia, 2023-2026
- First Place, University Engineering Design Challenge, 2025

EDUCATION

Bachelor's Degree in Civil Engineering

University of Georgia 🎓 GPA: 3.7 📅 2026 📍 Athens, GA

Coursework: Structural Analysis, Hydrology, Environmental Design, Fluid Mechanics

Environmental Regulations

Risk Assessment

Infrastructure Design

LANGUAGES

English Native

Spanish Proficient

MY CAREER



- Water Resources Engineering Intern at Greenway Solutions (1.2 Years)
- Engineering Intern at Blue Sky Environmental (11 Months)

CERTIFICATIONS

- Fundamentals of Engineering (FE) exam 📅 2026
- Basic Life Support (BLS) Certification 📅 2025

TECHNICAL SKILLS

- **Hydraulic Software:** HEC-RAS, SWMM, MIKE URBAN
- **Modeling Tools:** ArcGIS, AutoCAD, REVIT
- **Project Management Software:** Microsoft Project, Trello, Asana
- **Data Analysis Tools:** MATLAB, R, Excel
- **Documentation Standards:** IEEE, ASCE, ISO
- **Design Applications:** SAP2000, Civil 3D, SketchUp
- **Regulatory Standards:** FEMA, NPDES, EPA
- **Field Equipment:** Flow Meters, Rain Gauges, Topographic Surveys
- **Surveying Techniques:** GPS Surveying, Total Stations, Aerial Photogrammetry
- **Research Methods:** Experimental Design, Statistical Analysis, Case Studies

PROFESSIONAL AFFILIATIONS

- Member, American Society of Civil Engineers (ASCE)
- Volunteer, Habitat for Humanity

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST