

# MICHAEL ANDERSON

Urban Drainage Engineer

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As a Water Resources Engineer with 7 years of experience in urban drainage design, I focus on creating sustainable solutions for stormwater management. My expertise includes the design of green infrastructure such as bioswales, permeable pavements, and rain gardens that enhance water quality while managing runoff. I have collaborated with city planners and environmental groups to develop integrated stormwater management plans that align with local regulations and community needs.

## WORK EXPERIENCE

### Urban Drainage Engineer | Metro Water Solutions

Jan 2022 – Present

- Designed and implemented green infrastructure solutions for urban stormwater management.
- Conducted hydraulic modeling to evaluate system performance and efficiency.
- Collaborated with stakeholders to develop stormwater management plans.
- Presented design proposals to city councils for approval.
- Monitored and assessed the effectiveness of implemented drainage solutions.
- Achieved a 35% reduction in urban runoff through innovative designs.

### Water Resources Engineer | Green City Initiative

Jul 2019 – Dec 2021

- Assisted in the development of sustainable urban water management strategies.
- Evaluated existing drainage systems and proposed enhancements.
- Engaged with community members to promote awareness of stormwater issues.
- Contributed to regional planning efforts for climate resilience.
- Utilized design software to create detailed drainage system layouts.
- Supported compliance with environmental regulations through thorough assessments.

## SKILLS

Urban drainage design

Green infrastructure

Hydraulic modeling

Community engagement

Regulatory compliance

Project management

## EDUCATION

### Bachelor of Science in Civil Engineering

2015 – 2019

University of Michigan

## ACHIEVEMENTS

- Implemented stormwater solutions that improved water quality in local neighborhoods.
- Recognized for developing a stormwater management plan adopted citywide.
- Published an article on urban drainage solutions in a professional engineering journal.

## LANGUAGES

English

Spanish

French