MA

MICHAEL ANDERSON

HYDROLOGIST – URBAN WATER SYSTEMS

CONTACT

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SKILLS

- Urban hydrology
- Stormwater management
- SWMM
- Data analysis
- Public engagement
- Project coordination

LANGUAGES

- English
- Spanish
- French

EDUCATION

BACHELOR'S IN CIVIL ENGINEERING, STATE UNIVERSITY, 2015

ACHIEVEMENTS

- Successfully implemented a green infrastructure project that improved local water quality by 25%.
- Authored a report that influenced city policy on urban water management practices.
- Presented research at the Urban Water Management Conference, gaining recognition from peers.

PROFILE

Results-driven hydrologist with a specialization in urban water systems and over 6 years of experience in the field. Deep expertise in designing and implementing stormwater management systems that mitigate flooding and enhance water quality. Proficient in using advanced modeling software to simulate urban hydrology and develop effective solutions for municipalities. A strong advocate for sustainable urban development practices, with a focus on integrating green infrastructure into city planning.

EXPERIENCE

HYDROLOGIST – URBAN WATER SYSTEMS

City Planning and Development Office

2016 - Present

- Designed and implemented a stormwater management plan that reduced urban flooding by 40%.
- Utilized SWMM software to model stormwater runoff and improve drainage systems.
- Collaborated with city officials to integrate green roofs and permeable pavements into urban designs.
- Conducted public workshops to educate residents on sustainable water practices.
- Analyzed rainfall data to optimize existing stormwater infrastructure, saving the city $200,000 in repairs.
- Led interdisciplinary teams in the development of urban resilience strategies against climate change.

JUNIOR HYDROLOGIST

EcoWater Solutions

2014 - 2016

- Assisted in the design of sustainable water management systems for urban developments.
- Conducted hydrological assessments for new construction projects to ensure compliance with regulations.
- Performed field data collection and analysis for stormwater quality monitoring.
- Developed educational materials on stormwater best management practices for community outreach.
- Supported senior hydrologists in modeling water flow and quality using EPA guidelines.
- Participated in multi-disciplinary project meetings to present findings and recommendations.