

# Alani Jenkins

## Environmental Engineer I - Water Resources

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Hiring Manager  
AquaTech Solutions  
Birmingham, AL

Dear Hiring Manager,

I am thrilled to apply for the Environmental Engineer I position at AquaTech Solutions, where my growing expertise in water resources aligns perfectly with your team's mission to implement innovative watershed management strategies. My enthusiasm stems from a shared dedication to enhancing water resource solutions in the community, aiming to mitigate flood risks and sustain our vital ecosystems.

In my recent internship at a university research lab, I collaborated on developing a hydrologic model to assess flood risks in local watersheds; this experience deepened my understanding of the importance of accurate data in real-time water resource management. Additionally, I contributed to configuring real-time monitoring systems, which improved data accuracy for flood forecasting, thus underscoring my commitment to impactful engineering practices.

Despite facing challenges, my tenacity led me to successfully support watershed modeling while participating in remote system operations during significant weather events. Each experience equipped me with practical skills in hydrologic modeling and programming that I am eager to further refine at AquaTech Solutions.

I bring proficiency in Python and MATLAB, enabling me to perform detailed hydrologic analysis efficiently. My dedication to operational forecasting and data collection ensures I've always been focused on sustainable outcomes while supporting critical weather events and hydrologic systems.

During my capstone project, our team designed a comprehensive watershed model integrating real-time data; this effort taught me the value of clear communication and teamwork when implementing engineering solutions. I am excited about the opportunity to leverage this experience to contribute to your organization's goals positively.

I appreciate your consideration.

Thanks,

*Alani Jenkins*

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