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# GEORGE M. DOUBLEDAY

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Houston, TX 77004

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gmdoubleday@gmail.com

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## Education

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**Master of Science in Environmental Engineering**, May 2012  
*Rice University*, Houston, Texas  
Focus: Hydrology

**GPA: 3.8**

**Bachelor of Science in Environmental Science**, May 2009  
*Texas Christian University*, Fort Worth, Texas  
Minor in Business

**Major GPA: 3.6**

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## Skills Summary

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Hydrologic Analysis / Modeling

Environmental Regulations

Statistical Analysis

GIS Analysis

Fieldwork

Teamwork

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## Relevant Experience

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*Rice University*, Houston, TX

8/2010 - Present

**Graduate Research Student** under Dr. Phillip B. Bedient

- Developed Vflo distributed hydrologic model for The Woodlands, TX
- Investigated quantitative impacts of Low Impact Development on water quality/quantity
- Collected and analyzed water quality samples

*Fort Worth Nature Center and Refuge*, Fort Worth, TX

5/2009 - 11/2009

**Bison Herd Management Intern**

- Pioneered vegetation study of native tall grass prairies and Bison Foraging behavior
- Maintained an organized data collection system
- Recommended Best Management Practices and rotational grazing plan

*City of Bedford*, Bedford, TX

9/2007 - 5/2008

**Storm Water Management Plan Applied Project**

- Researched Federal and State environmental policies and regulations
- Fabricated a SWMP plan in accordance with policies
- Devised cost effective Best Management Practices to minimize pollutant discharges

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## Professional Skills

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Utilized HEC HMS, HEC RAS, Vflo, MODFLOW and XP SWMM to perform hydrologic / hydraulic analysis.

Conducted geographical land use assessments and data manipulation using ESRI ArcGIS software.

Earned Wetland Delineation Certificate in 2009, becoming erudite in wetland soils, vegetation, and ecology.

Studied environmental contamination sources, chemical fate and transport, and their human health risk implications.

Experienced with Microsoft Suite Software.

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## Relevant Courses

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Hydrology and Watershed Analysis, Hydrologic Design Lab, Water Resources Engineering, Sustainable Design, Processes in Water Treatment, Environmental Law, Human Health and Environmental Risk Assessment, Principles of Environmental Engineering.

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## Professional Associations

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Texas Water Conservation Association

Texas Wildlife Association

American Rainwater Catchment Association

Texas Water Resources Institute