

# Noah McDougall, PMP

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Github: <https://github.com/noahmcdougall/>

## SUMMARY

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Applied geoscientist experienced in project management, oil and gas, mining, and geographic information systems. Adept at focusing technical and planning skills to achieve business results. Specializes in project management, seismic interpretation, spatial analysis, and automating tasks using advanced Excel knowledge and basic scripting in Python.

## PROFESSIONAL EXPERIENCE

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*Nyrstar Tennessee Mines, Gordonsville, TN – Exploration Geologist* 2017→

Geoscientist guiding exploration operations for Gordonsville, Elmwood, and Cumberland mines.

- Managed up to 25 contractors and six rigs for surface and underground drilling programs.
- QC/QA of core logging operations and assay sample preparations.
- Developed strong relationships with community landowners as acting landman.
- Data processing and GIS increased surface hole success rate by 10x over 2018.
- Led gravity survey project to map breccia systems from initiation to closing.

*LandWorks, Houston, TX – Geographic Information Systems (GIS) Team Lead* 2016–17

GIS mapping team lead supporting land management needs for various energy industry clients.

- Supervised a team tasked with mapping utility easements from legal documents.
- Developed ArcGIS add-ins using Python that save an estimated \$75K per life of project.
- Managed building an ArcGIS Online project and web portal for an alternative energy client.

*BP, Houston, TX – Integrated Geophysicist* 2013–16

Geoscientist in charge of reserve estimates, seismic reprocessing, model building, well planning and monitoring, and activity planning across three major Gulf of Mexico fields.

- Coordinated technical planning of a 4D seismic acquisition program.
- Worked with reservoir engineers to optimize the water injection program and future production.
- Built structurally complex, static reservoir Petrel model and model-building workflows.
- Reinterpreted reserve estimates for government compliance and Resource Support Package that led to major well design and activity plan updates.
- Designed the standard for Integrated Subsurface Description documentation and leveraged ArcGIS skills to standardize maps across reservoirs.

## EDUCATION

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Project Management Professional – PMP # 2171866	2018→
BP Challenger Training Program – Integrated Geophysicist	2013–16
M.S. Geophysics, University of Arizona	2011–13
GPA: 3.81/4.0	
B.S. Geology, University of Tennessee, Knoxville	2007–11
GPA: 3.89/4.0, Summa Cum Laude	

## RESEARCH PROJECTS

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<i>“Investigation of offshore Guinea post-rifting structures – plateau extension and related volcanism”</i> - Graduate project (GSA 2013)	2011–13
<i>“Empirically derived correlation between ground conductivity and 100 MHz ground penetrating radar depth attenuation”</i> - Undergraduate project, presented poster at professional conference (SAGEEP 2011)	2011
<i>“Multi-tool geophysical investigation of karst features on intramural fields of the University of Tennessee, Knoxville”</i> - Undergraduate project	2010

## HONORS and AWARDS

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Edith L. Moore Nature Sanctuary Volunteer ArcGIS Manager, Houston	2015–17
Secretary of the Greater Houston Grotto	2017
Vice President of the UAGS (SEG sponsored club)	2012–13
Outstanding Graduate in Commencement Program	2011
Chancellor’s Honors Extraordinary Professional Promise Award	2011
Undergraduate GeoClub President	2010–11

## SOFTWARE EXPERIENCE

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Experience using many forms of industry software including:

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| • Landmark Software | • Roxar RMS    | • AcQuire GIM Suite |
| • Petrel            | • LeapFrog     | • DGI CoViz         |
| • IHS Kingdom       | • MineSight 3D | • QGIS              |
| • ESRI ArcGIS       | • Surfer       |                     |

Proficient in other drafting software such as Adobe Illustrator and Adobe Photoshop.  
Self-taught in Python, HTML5, CSS3, Sass, jQuery, Jade, Node JS, Gulp, and Git.