

# Noah McDougall, PMP

Cell: (865) 323-3873 | Email: [noah.mcdougall@gmail.com](mailto:noah.mcdougall@gmail.com)

Website: [www.linkedin.com/in/noahmcdougall/](http://www.linkedin.com/in/noahmcdougall/)

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

## SUMMARY

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

## PROFESSIONAL EXPERIENCE

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*Nyrstar, Gordonsville, TN – Project Manager / Exploration Geologist* 2017→

Project manager guiding exploration operations for Gordonsville, Elmwood, and Cumberland mines.

- Kept six core drill rigs on schedule by managing daily tasks for up to 25 contractors.
- Forecasted \$/m within 5% during bid renewals by data analysis of shift log database.
- Eliminated hour/week of technician workload by designing QA/QC assay tracker and procedures.
- Quantified Exploration budget to Life of Mine Plan production rates and five-year reserve build.
- Increased surface hole success rate in 2018 from 4% to 30% through spatial data analysis (GIS).
- Saved 50% of geophysical budget by rebidding gravity survey and technical planning.

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

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

- Saved \$75K during mapping project by coding efficiency-improving ArcGIS add-ins in Python.
- Promoted to team lead by consistently mapping ~50% more utility easements than average.
- Reduced QC backlog from three months to two weeks by providing feedback to new mappers.

*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.

- Saved 10% of coverage in 4D seismic survey by identifying a flaw during technical planning.
- Achieved co-owner approval on well plan by quantitative risk analysis and resource calculations.
- Built structurally complex, static reservoir model in Petrel by coding model-building workflows.
- Saved millions of dollars of re-completions by re-interpreting faults in resource estimations.
- 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-specific 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       | • SAP               |

Proficient in other drafting software such as Adobe Illustrator and Adobe Photoshop.  
Self-taught in Python, SQL, HTML5, CSS3, Sass, jQuery, Jade, Node JS, Gulp, and Git.  
(visit [noahmcdougall.com](http://noahmcdougall.com) for more details)