

CHRISTOPHER LEWIS

A chemist turned data-enthusiast. 9 years of experience in chemistry research and development. Co-inventor on 9 patents. Currently seeking to advance my skills and career in Data Analysis.



EDUCATION

2011
|
2006



B.S., Chemistry

Kansas State University

📍 Manhattan, KS



INDUSTRY EXPERIENCE

current
|
2021



Research Analyst

Kansas Department of Labor

📍 Topeka, KS - Hybrid Remote

- Utilized R and Python to automate reporting and develop visualizations
- Wrote ad-hoc queries for public requests, federal organizations and media agencies
- Wrote requirements for modifications to the agency's main workers compensation application, as well as identify and report bugs/ bug testing

2021
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2014



Technologist II

Halliburton Energy Services

📍 Houston, TX

- Developed a 3d printed slot-flow device and image analysis method for modeling and characterizing dynamic proppant settling
- Helped Design and construct automated core food testing equipment
- Provided guidance to technicians and associates on process and safety as well as equipment training

2014
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2013



Scientist - Chemist

Halliburton Energy Services

📍 Houston, TX

- Developed new products for stimulation of oil wells. Principal developer in foamed crosslinked polymer sealant.
- Organized and instructed laboratory class for field engineers and sales employees
- Resolved technical questions related to product application and QA for conformance product line

2013
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2011



Associate Scientist

Halliburton Energy Services

📍 Duncan, OK - Houston, TX

- Performed testing as directed and data analysis of results
- Maintained laboratory equipment and inventory
- Helped team to plan and implement move of entire laboratory to new facility

CONTACT

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📞 (785) 640-5404

🌐 github.com/ChrLew

📍 NA

🌐 linkedin.com/in/Chr-Lewis

SKILLS

💻 **Programming:** R, SQL, Python, HTML, CSS, Git
💡 **Other:** data analysis, data visualization, statistics, experimental design, science writing

ONLINE COURSES

Coursera: Python for Everybody, UMich;

View this CV online with links at christopherlewis.me/cv/

Made with the R package [pagedown](#).

The source code is available on github.com/ChrLew/cv.

Last updated on 2022-07-26.



RESEARCH EXPERIENCE

2011
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2009

● Undergraduate Research Assistant

Chikan Laboratory

📍 Kansas State University

- Assisted with research in doped Cd/Se quantum-dot synthesis & growth/etching characteristics
- Collaborated with Univ. of Kansas in image analysis, utilizing EDS for TEM instrument
- Research contributed to and resulted in co-authored paper



SELECTED PUBLICATIONS, POSTERS, AND TALKS

2017

● An Investigation into Proppant Dynamics in Hydraulic Fracturing

Ray, B., Lewis, C., Martysevich, V., Shetty, D. A., Walters, H. G., Bai, J., & Ma, J. Society of Petroleum Engineers. [doi:10.2118/184829-MS](https://doi.org/10.2118/184829-MS)

2015

● Long Interval Foamed Diversion Treatment: A Mid- Scale Multizone Diversion Treatment Study

Parton, C., Singh, D., Khamaturova, T., Lewis, C., & Vo, L. K. Society of Petroleum Engineers. [doi:10.2118/174247-MS](https://doi.org/10.2118/174247-MS)

2015

● Impact of indium and gallium doping on the photovoltaic performance of CdSe quantum dot hybrid solar cells

Scott R, Kirkemide A, Gong M, Totlebena J, Ren S, Tuinenga C, Lewis C, Luob H, Higgins D, Chikan V. Ecs Transactions. 66: 1-8. DOI: 10.1149/06615.0001ecst

2014

● Development of a Polymer Gel System for Improved Sweep Efficiency and Injection Profile Modification of IOR/EOR Treatments

Crespo, F., Reddy, B. R., Eoff, L., Lewis, C., & Pascarella, N. International Petroleum Technology Conference. [doi:10.2523/IPTC-17226-MS](https://doi.org/10.2523/IPTC-17226-MS)

2014

● Water and Gas Control in Naturally Fractured Carbonate Reservoirs: Development of a Novel Polymer Gel System with Foaming Properties. Society of Petroleum Engineers

Vasquez, J. E., Lewis, C. A., & Eoff, L. S. Society of Petroleum Engineers. [doi:10.2118/171883-MS](https://doi.org/10.2118/171883-MS)

2013

● Recent Advances in Organically Crosslinked Conformance Polymer Systems

Crespo, F., Reddy, B. R., Lewis, C. A., & Eoff, L. S. Society of Petroleum Engineers. [doi:10.2118/164115-MS](https://doi.org/10.2118/164115-MS)