Lauren Mitchell

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EDUCATION

***The George Washington University*, Washington, D.C.**

Bachelor of Science in Geology, Minor in Geographic Information Systems	May 2018
MIT | Applied Data Science Program	March 2022
BrainStation Bootcamp | Data Science	May 2022

EXPERIENCE

Knowi, Oakland, CA

Data Analyst — June 2024 - Present

- **Customer-facing Technical Support:** Regularly meets with customers to provide technical assistance and guidance on utilizing the unified analytics platform effectively. Helps troubleshoot and resolve technical issues, ensuring customers can leverage the platform to meet their analytical needs.
- **SQL:** Utilizes advanced SQL techniques, including complex aggregations and joins, to query and manipulate customer data. Creates customized queries to extract actionable insights, supporting customers in achieving their business objectives.

OpenClass, San Francisco, CA

Chief Data Scientist — November 2022- June 2024

- **Led End-to-End Data Science Initiatives:** Spearheaded 10 comprehensive data science projects focused on enhancing user access to their data for an improved learning experience and providing instructors with valuable insights into their classes.
- **AI Integration:** Served as the lead AI engineer on all OpenClass generative AI projects, leveraging the OpenAI API and Langchain to create innovative features such as the automatic generation of entire assignments from a PDF and list of learning objectives.

Roux Associates, Oakland, CA

Staff Geologist — June 2019- August 2021

Staff Assistant Geologist — August 2018 - June 2019

- **Geospatial Analysis and Database Engineering:** Served as the primary geospatial data analyst on multiple Superfund litigation projects. Created geospatial chemical databases and conducted statistical analysis that served as a key argument in expert reports.
- **Report Writing and Documentation:** Produced concise and accurate reports derived from data analysis and field activities.
- **Project Management:** Led project proposals, budget preparations, and coordinated with subcontractors and regulators.

SKILLS

- **Programming Languages:** SQL, Python (scikit-learn, numpy, pandas, matplotlib, seaborn), MongoDB Query Language, HTML
- **Tools:** APIs, MongoDB, Huggingface Transformers, A/B tests, Hypothesis Testing, Statistics, Tableau, Excel, ArcGIS, SpaCy

PROJECTS

Free Response Auto Evaluation, OpenClass - Developed a tool using logistic regression, OpenAI API, and transformer models to classify questions, extract key points, and assess student responses, reducing instructor workload.

Weekly Digest Emails, OpenClass - Developed a system to automate the creation of weekly data-summary emails for students, teachers, administrators, and our internal team. This system utilizes PyMongo to query the non-relational database for relevant metrics and presents the data through clear visualizations and tables, implemented with a combination of Python and HTML.