



Sara Clements

Engineer

- United States
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- Tinker Blog
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About me

Experienced data engineer interested in enabling developers to do their best work.

Skills

SQL

Bash

Git

Python

C

R

Education

- | | | |
|------|--|--------------|
| 2016 | Certificate Web Programming
<i>Hunter College</i> | New York, NY |
| 2010 | BS Physics
<i>University of Texas, Austin</i> | Austin, TX |

Experience

- | | |
|----------|--|
| Engineer | <ul style="list-style-type: none">Build and maintain automated ETL pipelines with SQL and PowerShell to ingest bulk and incremental data.Perform exploratory analysis in R and Python on large data sets.Create applications in C and Python using micro-controllers for instructive write-ups.Respond to technical support tickets.Work in Windows and Linux environments. |
| Document | <ul style="list-style-type: none">Implement procedure for workflow documentation across departments.Create write ups of programming workflow; both instructional direction and detailed reasoning (answering both the 'how' and the 'why').Design and administer training presentations in person with slideshows and online with video and written tutorials. |
| Analyze | <ul style="list-style-type: none">Create lists, queries, and reports based on user requests with Microsoft SQL Server suite of tools.Use SAS, SQL, and Excel to create tools for financial analysis and update health insurance pricing trends. |
| Manage | <ul style="list-style-type: none">Conduct internal audits to ensure procedures stay up to date with federal and departmental regulation, where applicable.Manage projects from ROI analysis, proposal writing, and vendor shopping to requirements gathering, testing, and user training.Coordinate meetings for remote teams across international time zones.Travel to conferences to engage with participants and speakers. |
- ## Projects
- | | |
|------|--|
| 2019 | Created guide for new developers on setting up a production environment from home with a microcontroller and containerization software |
| 2018 | Automated ETL for supervised intervention model |
| 2017 | Created end user financial analysis tool for contract negotiations |
| 2015 | Led implementation of electronic I-9 with 3rd party vendor |

Work History

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|-------------|---|--------------|
| 2020 | Multnomah County Central Library
Tech Trainer | Portland, OR |
| 2016 - 2020 | American Physical Society
Executive Committee Member | Remote |
| 2018-2019 | Portland State University Foundation
Technical Support Analyst | Portland, OR |
| 2018 | AllazoHealth
Data Engineer | New York, NY |
| 2016-2018 | UnitedHealthcare
Data Analyst | Remote |
| 2010-2016 | Research Foundation of CUNY
HR Compliance Analyst | New York, NY |

Interests

Electronics tinkering, Writing, PC gaming, Camping