

COLIN MIDDLETON, MS

Data
Scientist

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FAMILIAR TOOLS

Python: pandas numpy statsmodels scikit-learn matplotlib
R | Java | SQL | Jupyter Notebooks | GitHub | LaTeX

EDUCATION

| | | |
|------------------------|---|--|
| Sep 2019 – Jun 2021 | Applied Mathematics, MS Total Credits: 79 Awards: Outstanding Graduate, Graduate Service Appointment | Eastern Washington University GPA: 4.0 |
| Sep 2013 – Dec 2017 | Mathematics, BS Total Credits: 211 Minors: Honors, Chemistry Awards: Math Fellow | Western Washington University GPA: 3.5 |

PROJECTS

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|------------------------|---|---|
| Jun 2020 – Jun 2021 | Homelessness Prediction Used Logistic Regression, Cox Proportional Hazards, and LSTM models with monthly customer utility payment data to predict risk of experiencing homelessness. Matched data and engineered new features. Presented findings to city officials at City of Spokane meeting. (Python + JupyterLab) | Spokane Predictive Analytics |
| Jan 2021 – Mar 2021 | Academic Paper Clustering by Topic Collaborated on customized K-Means model to cluster text documents into groups by topic using bag-of-words TF-IDF representation and custom dot product distance metric. Custom output with intelligible group themes. (Python) | Big Data Analytics Class Project |
| 2017 | Traffic Prediction Senior Project Employed averaging, PCA, and speed + distance ratio methods to predict traffic flow arriving at the US / Canadian border. (Excel) | Whatcom Council of Governments |

WORK EXPERIENCE

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| Jan 2022 – Current | Architectural Drafter Create drawings using AutoCAD LT. Site measure existing building for remodel. Use Dropbox to share files. | Alison Miller |
| Oct 2018 – Dec 2021 | Architectural Drafter Created drawings using AutoCAD LT. Made design adjustments and suggestions. Researched building code and construction product specifications. | Brooks Middleton Architect |

RELATED COURSEWORK

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| Apr 2020 – Jun 2020 | Advanced Topics in Statistics Credit Hours: 5.00 | Eastern Washington University Grade: A |
| Jan 2021 – Mar 2021 | Big Data Analytics Credit Hours: 4.00 | Eastern Washington University Grade: A |