

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

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

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

RELATED COURSEWORK

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