Andy Wong
Greater Seattle Area
425-208-5886 | wongand18@gmail.com

LinkedIn: https://www.linkedin.com/in/andy-wong-data/
GitHub: https://github.com/AndyWongData
Portfolio: https://andywongdata.github.io/

Data Scientist/Analyst seeking entry-level position to leverage expertise in information management and strong analytical skills. Possess a proven ability to utilize diverse programming languages and models and critical thinking honed through internship, chemistry research, and coursework. Highly motivated and eager to contribute to a data-driven team environment.

EDUCATION

University of Washington, Seattle, WA   **Sept 2022 – June 2024**
M.S. Information Management, Specialization in Data Science and Analytics
Course Highlights:

Relational Database Management Systems	Data Science: Theoretical Foundations	Data Science: Machine Learning
Data Science: Scaling, Applications, and Ethics	Social Network Analysis	Social Media Data Mining and Analysis
Information Systems Analysis	Building and Applying LLMs	People Analytics

University of Washington, Seattle, WA   **Sept 2018 – June 2022**
B.S. Chemistry; B.A. Biochemistry; Minor Data Science
Course Highlights:

Data Programming with Python	Data Science and Material Informatics	Probability and Statistics
Computer Data Acquisition & Analytics	Linear Algebra	Calculus I - III

WORK EXPERIENCE

Data Scientist - included.ai, Seattle, WA   **Dec. 2023 – June 2024**
Graduate Capstone: *DEI Goal Calculator*
- Developed a DEI projection algorithm based on organizational movement to assess feasibility of DEI goals
- Visualized projected DEI representation by developing an interactive plotly widget on Python Shiny website
- Designed a user-centered and intuitive calculator interface to streamline the DEI goal setting process

Data Science Intern - Cox Automotive (vAuto), Remote   **June 2023 – Jan. 2024**
- Forecasted used vehicle list prices to enhance reliability of pricing recommendations with a linear regression model using statsmodels in python
- Enhanced pricing forecast model through feature engineering and interaction creation
- Wrote SQL to query and join large datasets (5M+ rows) together from Snowflake
- Determined appropriate cleaning measures and follow-up testing by visualizing datasets
- Presented and consolidated knowledge of work for broader audience in intern showcase and bi-weekly demos

Teaching Assistant; Reader / Grader - University of Washington, Seattle, WA   **Sept. 2021 – Mar. 2022; Jan. 2024 – Mar. 2024**
Courses Taught:

Intro. to Programming for Data Science	Business Intelligence Systems	General Chemistry

- Advised and taught efficient, proper, and effective coding practices to ~ 20 students
- Taught foundational general chemistry and laboratory safety to ~ 60 students

Undergraduate Researcher - Xiao Lab, Seattle, WA   **July 2019 – June 2022**
Research Focus: *Installation of Cross-Linked Ligands in Metal-Organic Framework (MOF) Pores*
- Performed data analysis of material physical properties to guide novel synthetic procedures
- Improved MOF surface area by 300% through the installation of novel expanded cross-linked ligands
Publications:
   1. Thermolabile Cross-Linkers for Templating Precise Multicomponent Metal-Organic Framework Pores
   2. Stabilizing Large Pores in a Flexible Metal-Organic Framework via Chemical Cross-Linking

SKILLS

Languages/Packages: Python, SQL, R, Sci-kit learn, Statsmodels, Numpy, Pandas, Matplotlib, Plotly, Seaborn, Java, MATLAB
Concepts: Machine Learning, Forecasting, Statistical Inference, Linear Regression, Experimental Design, Scientific Method, Relational Database Management, Decision Trees, KNN, Naïve Bayes, Tidy Data, Cross Validation
Tools: Snowflake, Jupyter, Azure Data Studio, SSMS, Dataiku

AWARDS

Masters of Science in Information Management Dean's Scholarship   **2022**
Mary Gates Research Scholarship   **2021**