

Harold Lee

Bellevue, WA | leeharry709@outlook.com | [734] 330-1479

 [linkedin.com/in/leeharry709/](https://www.linkedin.com/in/leeharry709/)  leeharry709.github.io/about-me/

EXPERIENCE

Product Data Engineer II | Expedia Group

Seattle, WA | 11.2022 – Present

- Enhanced the performance of flagship Insights Team products and dashboards through data optimization, achieving significant reductions in loading and filtering times of the People Insights Dashboard by 75% and the Global Talent Acquisition Dashboard by 30%
- Collaborated with cross-functional teams to perform data extraction, transformation, and loading (ETL) for the People Data Platform's analytical layer, involving raw data from ServiceNow and Workday
- Developed and implemented an advanced data-driven solution in Python, leveraging SQL, matplotlib, seaborn, and pandas, to automate the generation of comprehensive attendance reports with insightful metrics. These reports, tailored by location and managers, were instrumental in providing actionable insights to C-suite leadership, resulting in streamlined decision-making processes and a substantial reduction in monthly reporting efforts by a full workday

Sr. Business Intelligence Analyst | Expedia Group

Seattle, WA | 04.2022 – 11.2022

- Presented actionable metrics and insights to executive officers during the Return to Office project, offering data-driven guidance following CDC COVID-19 lockdown restrictions
- Developed automated reporting tools and tables for consultants and leaders, enabling efficient ad hoc analyses on topics such as attrition, headcount, and performance, reducing response time significantly

Insights Analyst, People Analytics | Expedia Group

Seattle, WA | 08.2021 – 04.2022

- Produced strategic reports for the senior vice president of the People Team, identifying trends in headcount and management structure to optimize team performance
- Revamped Tableau dashboards with innovative visualizations inspired by industry best practices, resulting in more compelling and insightful data presentations

Data Analyst | Jackson National Life Insurance

Lansing, MI | 11.2018 – 07.2021

- Collaborated closely with HR Information Systems Analysts to implement and A/B test a new module in Workday for annual compensation planning, incorporating executive feedback
- Transitioned market range analysis from manual Excel reporting to automated reporting and visualizations via Tableau, significantly saving time and improving efficiency

SKILLS

Languages

SQL, Python, English, Korean

Data Analysis & Visualization

Tableau, Microsoft Office Suite, Jupyter Notebook, Matplotlib, Plotly, Seaborn

Data Science & AI/ML

NLP, LLM, GenAI, experimentation, advanced regression, ML pipelines, PCA, feature engineering

PROJECTS

Housing Price Prediction – Advanced Regression

EDA + Machine Learning
Packages: Plotly GO, sklearn
Source Code: [.ipynb](#)

Sentiment Analysis & Classification w/ BERT Training

NLP + Machine Learning
Packages: Torch, Tensorflow,
transformers
Source Code: [.ipynb](#)

Color Detection Using Euclidian Distance

Image Processing
Packages: cv2, numpy
Source Code: [.ipynb](#)

EDUCATION

Michigan State University | Bachelor of Arts, Major: Pre-Medicine
Minor: Physics

East Lansing, MI | 08.2013 – 05.2018
East Lansing, MI | 08.2015 – 05.2016