# Ifeoma Chukwu-Larsen

**Principal Data Scientist | Senior Data Scientist | Data Scientist**

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## PROFESSIONAL SUMMARY

Senior data science lead with 11 years building machine learning systems for marketplaces and logistics, including ranking, forecasting and language models. Leads data scientists and partners with ML engineers to take models from research to production with monitoring.

## PROFESSIONAL EXPERIENCE

### Principal Data Scientist

*Jan 2021 — Present*

*Puget Market Exchange · Seattle, WA*

- Lead a team of six data scientists owning search ranking and seller recommendations, setting the modeling roadmap with product and engineering directors.
- Rebuilt search ranking with a learning-to-rank model in PyTorch, lifting buyer conversion in a two-week online experiment before full rollout.
- Introduced a language model pipeline that classifies listing quality issues, reducing manual review work for the trust and safety team.
- Set standards for offline evaluation, model monitoring and experiment review used by every data science team in the company.

### Senior Data Scientist

*Apr 2017 — Dec 2020*

*Cascade Freight Analytics · Seattle, WA*

- Built hierarchical demand forecasts for freight lanes in Spark, improving capacity planning and reducing empty truck miles for the operations team.
- Developed a dynamic pricing model for spot quotes with guardrails approved by sales leadership, tested market by market before full launch.
- Hired and mentored three data scientists and created the team's code review and reproducibility practices.

### Data Scientist

*Sep 2014 — Mar 2017*

*Olympia Energy Analytics · Olympia, WA*

- Forecast hourly electricity load for utility clients with gradient boosting and weather features, replacing a regression model in production.
- Published two peer-reviewed conference papers on probabilistic load forecasting with academic collaborators from two universities.

## EDUCATION

**PhD, Operations Research** — Cascadia Institute of Technology *2014*

**BS, Mathematics** — Evergreen Coast University *2009*

## SKILLS

**Technical:** Machine learning strategy, Ranking and recommendation, Forecasting, NLP and LLM applications, PyTorch, Python, Spark, Databricks, Experimentation, MLOps, Team leadership, Stakeholder management