DUNCAN GATES • DATA SCIENTIST

Analytically minded and detail-oriented with several years of experience with cross-functional teams in blending advanced research skills with robust data engineering expertise. Passionate about data-driven problem solving with a strong commitment to precision, innovation, and effective communication in fast-paced environments.

💼 POSITIONS

2023

Data Scientist
Teaching Lab 📍 Remote

- Utilized state-of-the-art data analytics and machine learning techniques to analyze educational trends, optimize learning pathways, and enhance the effectiveness of work in the field.
- Managed the establishment of ML data pipelines and creation of an internal API.
- Conducted A/B testing leading to a 10 point NPS improvement.

2021

Data Analyst
Teaching Lab 📍 Remote

- Created advanced custom Shiny dashboards and data marts related to field research for professional learning.
- Spearheaded the integration of advanced data storage solutions and ETL processes, significantly improving data accessibility and reliability along with a 51% reduction in processing time.

2020

Data Science Intern
Data Science for the Public Good 📍 Oregon State University

- Work was done to measure the impact of the installation of a Selective Water Withdrawal Tower at the Pelton Dam on the Deschutes River. This investigation primarily was based on modelling river temperatures, but also allowed for learning. My team built an R Shiny application, presented at scientific symposiums, and worked collaboratively with officials from PGE, ODFW, ODEQ, and cities on the Deschutes.

🎓 EDUCATION

2020 | 2017

H.B.S. in Economics w/ minors in Actuarial Science and Political Science
Corvallis, OR 📍 Oregon State University

- Thesis: The Relationship Between Income Taxation, Social Benefits, and Wealth Inequality in OECD Countries: Exploring the Factors Contributing to Unequal Household Wealth
- Honors College Student
- GPA: 3.82

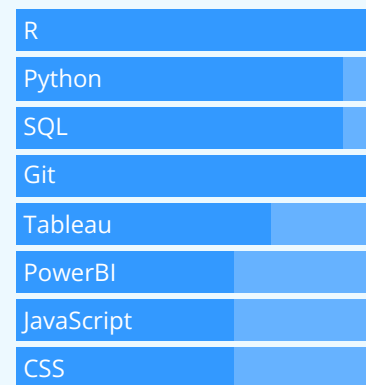## 📰 CERTIFICATIONS AND HONORS

Coding Credentials
Datacamp

- Certifications as Data Scientist in R, Data Scientist in Python, SQL, git, machine learning, and specific packages listed here.

Honors
Oregon State University

- Phi Beta Kappa (Academic Honor Society)
- Dean's List Every Term of Attendance (2017-2020)
- Omicron Delta Epsilon (Economics Honors Society)

CONTACT

- ✉ duncanagates@gmail.com
- 🔗 Website
- ⏻ Github
- in LinkedIn
- 📞 971-413-3852

LANGUAGE SKILLS

Skill	
R	
Python	
SQL	
Git	
Tableau	
PowerBI	
JavaScript	
CSS	

PROJECTS

All projects available on github.

Spotify Music Recommendation: Beyond What You Already Like Algorithmic music recommendation using markov chains.

The US Supreme Court: Business Decisions Looking at the supreme court turnover rate by President, and testing the number of decisions and certs granted in election years.

Avocado Price Forecasting (2021) Forecasting project w/ ARIMA, modelling, and time series analysis, projections were 98% accurate!

Wealth and Happiness: Does Household Wealth Equate to Happiness? Econometric exploration of whether wealth correlates to happiness w/ linear, and logistic regression.