

DUNCAN GATES • DATA SCIENTIST

As a recent graduate of Oregon State University with focuses in a variety of fields I have found my interests primarily coalesce around translating data into insight, through the application of statistics, visualization, and deep understanding of individual issues. Following my recent internship experience at [Data Science for the Public Good](#), and work as a data analyst at [Teaching Lab](#) I have found a passion for projects that improve the lives of others through better understanding of data.

POSITIONS

- 2021

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Data Analyst
Teaching Lab

Remote
- Worked as a data analyst at Teaching Lab to improve data infrastructure, accessibility, and processes.
 - Established a system of dashboards, visualizations, and database retrieval that improved internal statistical analysis and external accessibility.
- 2020

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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.
- 2020
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2019

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Undergraduate Research Assistant
OSU Economics Research

Oregon State University
- Conducting economic research under the guidance of numerous professors. Commonly implemented models included generalized linear models, probit, logit, and vector autoregression.
 - Field research to gather panel and time series data

EDUCATION

- 2020
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2017

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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

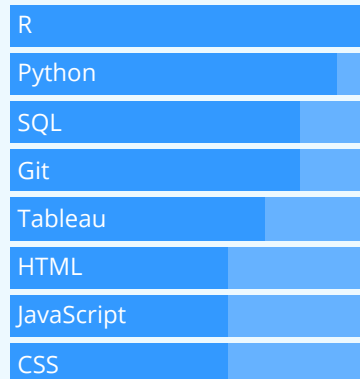
CERTIFICATIONS AND HONORS

- **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

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LANGUAGE SKILLS



PROJECTS

All projects available on github.

Spotify Machine Learning: Algorithmic music recommendation using markov chains.



Tinder Romance Algorithm: K-means clustering to determine optimal dating app profiles.



Avocado Price Forecasting 2021: Forecasting w/ ARIMA, modelling, and time series analysis.



Wealth and Happiness: Econometric exploration w/ linear, and logistic regression.

