DUNCAN GATES

As a soon-to-be 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, coding, and deep understanding of individual issues. After my internship experience this summer working at Data Science for the Public Good I have enhanced my focus to team based projects that will have significant positive impacts on the lives of others.

🎓 EDUCATION

2020 | 2017

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

💼 SELECTED POSITIONS

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.

2020 | 2019

Undergraduate Research Assistant

OSU Economics Research   📍 Oregon State University

- Conducting economic research under the guidance of numerous professors
- Field research to gather panel and time series data

2019 | 2015

Rental Location Manager

Portland, Oregon   📍 Alder Creek Kayak & Canoe

- Spent summers working as a rental location manager for a kayak company.

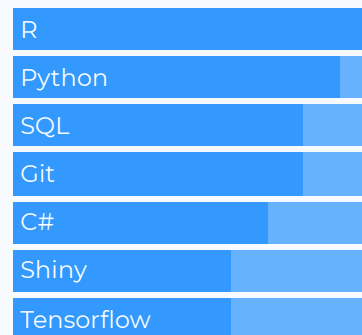## 📋 SELECTED CERTIFICATIONS, CLASSES, AND HONORS

Coding Credentials

Datacamp

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

Classes

Oregon State University

- STAT 411-413: Methods of Data Analysis
- CS 434: Machine Learning and Data Mining
- ECON 427,428: Econometrics and Research Methods

Honors

Oregon State University

- Phi Beta Kappa
- Dean's List 2017-2020
- Honors Student

CONTACT

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LANGUAGE SKILLS

Skill
R
Python
SQL
Git
C#
Shiny
Tensorflow

PROJECTS

All projects available at github.com/itsthesnake

`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.