

# 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 for [Data Science for the Public Good](#) I have enhanced my focus on team based projects that will have significant positive impacts on the lives of others with the skills I have developed over the course of college.

Currently searching for a position that allows me to build tools leveraging a combination of visualization, machine learning, and software engineering to help people explore and understand their data in new and useful ways.



## 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

- Internship was split into training and research. The first half focused on getting interns up to speed on statistics, machine learning, visualization skills, and teamwork based coding. The second half was based on projects that were assigned to teams composed of two undergraduates, one graduate student, and one mentor (generally a professor).
- 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, the 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 AND HONORS



### Coding Credentials

Datacamp

- Certifications in R, Python, SQL, git, and specific packages listed [here](#).



### Honors

Oregon State University

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



## CONTACT

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🐦 [gates\\_duncan](#)

🐙 [github.com/itssthesnake](#)

🔗 [duncangates.me](#)

🌐 [linkedin.com/in/duncan-gates](#)

For more information, please contact me via email.

## LANGUAGE SKILLS

R

Python

SQL

Git

C#

Shiny

Tensorflow

## PROJECTS

All projects available at [github.com/itssthesnake](#)

Spotify Machine Learning: Algorithmic generation of music with markov chains

Tinder Romance Algorithm: Proprietary analytics to determine optimal dating app strategies

Avocado Price Forecasting: Pattern Recognition Analysis

Wealth and Happiness: Exploring the relationship of wealth and happiness

Made w/ [pagedown](#).  
Source code: [github.com/itssthesnake/cv](#).  
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