

## CONTACT ME



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<https://geneviedorrell.github.io/Genevieve/>



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## SKILLS SUMMARY

- Python
- Software Development
- Biological Field work
- C and C++
- Statistics and R
- Version Control with Git
- Arc GIS
- Excel
- Databases (MongoDB and SQL)
- CSS, JavaScript, PHP, HTML
- Docker
- Machine Learning

## PROJECTS

- Carbon Foot Print Calculator
  - For a class project I created a web application geared towards college students that calculates their carbon foot print.
- Honors Thesis
  - I completed an honors thesis where I used geo tiff data, Arc Gis, Pytorch, and Sklearn to try to predict wildfire severity using Machine learning techniques. This is problem that machine learning techniques have not been applied to yet.

## AWARDS RECEIVED



The merit-based University of Oregon summit scholarship (2017)



The Mary G. Alden Scholarship from the University of Oregon (2018)



My team's invention in the Sustainable invention immersion week won 3rd place (2017)

# GENEVIEVE DORRELL

## OBJECTIVE

I am a computer science and biology college graduate looking for a job that helps solve some of the environmental issues of today.

## WORK EXPERIENCE

### Teaching Assistant

University of Oregon | Jan 2021 - June 2021

- Helped teach the CIS 211 python object-oriented programming class
- Held office hours and helped run lab sections

### IT Intern

Harry and David | June 2021 - Sept 2021

- Helped employees navigate a newly remote workplace
- Ran scripts with PowerShell
- Monitored network security

### Website Coder

University of Oregon | Jan 2021 - Sept 2021

- Helped maintain and launch websites for professional conferences
- Edited CSS, HTML, and PHP web pages to update conference websites
- Worked in a professional development environment with git

### Harms Lab

University of Oregon | Fall 2017 - Jun 2019

- Researched the unpredictability of protein evolution by gathering data on how different combinations of mutations affected the lac repressor protein's functionality
- Used Jupiter notebooks to process data
- Presented my research at the undergraduate research symposium and won the award of best biology poster spring 2018

## EDUCATIONAL HISTORY

### University of Oregon

Bachelor of Science | Sept 2017 - June 2021

- GPA: 3.74
- Double major in **Biology** and **Computer Science**
- Graduated with honors on the completion of a thesis that used GIS data to predict wildfire severity using machine learning methods