

# DANIEL DULANEY

Data enthusiast with ~3 years of analyst experience in an MLB front-office (Pittsburgh). Strong stats/programming background – I especially enjoy data visualization, building R Shiny apps, and automating a nice report. I thrive in team environments and love finding curious, collaborative, thoughtful people to do cool stuff with.

## EDUCATION

May  
2022  
|  
Aug  
2020

### **M.S., Statistics**

NC State

 Online

- Coursework includes: Bayesian models, machine learning, technical communication / consulting

May  
2019  
|  
Aug  
2016

### **B.S., Statistics (minor Philosophy, Economics)**

NC State

 Raleigh, NC

- Coursework includes: Statistical theory, R/Python/SAS, regression/linear models, experimental design
- Involved with Sports Analytics Club, Doran's Lab (data science), did independent stats/data projects with professors, PhD students, and peers

May  
2016  
|  
Aug  
2014

### **Statistics**

UNC-Greensboro

 Greensboro, NC


- Member of baseball team, Honors College

## INDUSTRY EXPERIENCE

Dec  
2021  
|  
Feb  
2019

### **Intern/Fellow, Baseball Informatics**

Pittsburgh Pirates

 Pittsburgh, PA

- '20-'21: Draft-focused – data processes with R/SQL, modelling, visualizations, reports, player discovery/evaluation/write-ups
- '19: Data/research support for various groups within analytics (draft, advance/major league, international, athlete)
- Sat in on '19 scouting leadership, '20/'21 draft room, '21 trade deadline meetings

## PROJECTS/RESEARCH

May  
2019  
|  
July  
2017

### **Undergraduate Research**

Stats Department, Doran's Lab

 NC State


- Data projects for NC State baseball team – web scraped box scores, classified pitches with clustering algorithms, automated player/team reports, made various data visualizations
- Projects with Doran's Lab (a data science group) – included deep / reinforcement learning reading groups & implementations, data wrangling, visualizations. Good programming practices with Python were emphasized.

## CONTACT

 [dgdulane1@gmail.com](mailto:dgdulane1@gmail.com)

 [github.com/ddstats1](https://github.com/ddstats1)

 [ddstats.blog](https://ddstats.blog)

 919-673-0201

## SKILLS

- Experienced (several years in industry) with R, SQL, Git/GitHub; working knowledge of R Shiny, Python, Stan.
- Standard statistical/machine learning models (regressions, mixed models, tree-based methods, clustering) and techniques (cross-validation, model evaluation, boosting).
- Ability to communicate complex/technical concepts to folks with various backgrounds.
- I'm self-aware, easy to get along with, and I treat people well.

## PROJECT LINKS

- [Various R Shiny apps](#)
- Markov simulator [poster](#) and R Shiny app
- [Bayesian modelling](#)
- [Doran's Lab research](#)

Made with the R package [pagedown](#).

The source code is available [on https://github.com/ddstats1/resume](https://github.com/ddstats1/resume).

Last updated on 2021-11-13.