

# Julia Hartnett

## Data Science & Analytics

### CONTACT

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### PROFILE

Data Science & Analytics student at Simmons University with an open mind to any field using data. Driven to solve problems using advanced math and coding skills.

### TECHNICAL SKILLS

- Python
  - NumPy, Pandas, matplotlib
- R
  - tidyverse, shiny, flexdashboard
- Machine Learning
  - ANN, Clustering, Random forests
- Java
- SQL
- Julia
- Git

### RELEVANT COURSES

- Calculus I, II, & Multivariable
- Probability
- Statistical Theory
- Linear Algebra
- Data Mining
- Software Engineering
- Causal Inference

### EDUCATION

#### SIMMONS UNIVERSITY

September 2018 - Present | Expected Graduation May 2022

BSc in Data Science & Analytics

Minors in Mathematics, Statistics, and Computer Science

Current GPA: 3.9

### EXPERIENCE

#### RESEARCH ASSISTANT

SIMMONS UNIVERSITY | PRINCETON UNIVERSITY

JUNE 2021 - PRESENT

- Using R, Python and praat to analyze human speech for meaning using machine learning methods

#### SOFTWARE ENGINEER INTERN (REMOTE)

ALERT INNOVATION | JUNE 2021 - AUGUST 2021

- Developed a SimPy simulation of a days processes in an automated retail structure system
- Researched deep learning machine learning methods to start getting familiar with the subject and think about how it may apply to the simulation

#### SOFTWARE ENGINEER INTERN (REMOTE)

ALERT INNOVATION | JUNE 2020 - AUGUST 2020

- Wrote Python programs to perform data analysis, including:
  - Parsing an inventory file to check for missing or inaccurate data values
  - Creating graphs to find high demand inventory items using matplotlib

#### TUTOR, TA, & PAPER GRADER

SIMMONS UNIVERSITY | JANUARY 2020 - PRESENT

- Tutored students in Calculus I and Intro Stats
- Graded homework assignments for Regression Models, Intro Stats, and Calculus I
- TA for Data Structures
- Requires working closely with professors and students and having knowledge of the course material

### ACHIEVEMENTS

#### DEAN'S LIST

Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021

#### INDUCTED INTO PI MU EPSILON

Mathematics Honor Society

#### BEST EDUCATIONAL HACK

Virtual SharkHack Fall 2020 - Simmons University

#### EVENTS COORDINATOR

Simmons University Dance Company