

Julia Hartnett

Data Science & Analytics

CONTACT

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PROFILE

A current 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 2021, 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