Julia Hartnett

Data Science & Analytics

CONTACT

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juliahartnett.github.io

PROFILE

Driven to solve real-world problems with data by using advanced math, statistics, coding, and data wrangling skills.

TECHNICAL SKILLS

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

RELEVANT COURSES

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

EDUCATION

SIMMONS UNIVERSITY
September 2018 - May 2022
BSc in Data Science & Analytics
Summa Cum Laude
Minors in Mathematics, Statistics, and Computer Science

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
- Presented at the Simmons University Undergraduate Symposium

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

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 - MAY 2022

- 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

DATA SCIENCE & ANALYTICS AWARD
May 2022 - Simmons Senior Academic Award

DEAN'S LIST
Fall 2018, Spring 2019, Fall 2019, Spring 2020, Fall 2020, Spring 2021, Fall 2021, Spring 2022

INDUCTED INTO SIGMA XI
Research Honor Society

INDUCTED INTO PI MU EPSILON
Mathematics Honor Society

BEST EDUCATIONAL HACK
Virtual SharkHack Fall 2020 - Simmons University