

# Jonathan Waring

(706) 612-8594 | [jwaring8@gmail.com](mailto:jwaring8@gmail.com)

<https://jwaring8.github.io> | [www.linkedin.com/in/jwaring8](http://www.linkedin.com/in/jwaring8)

## Education

### Harvard University

*Master of Science in Health Data Science*

*Expected Dec. 2019*

Cumulative GPA: N/A

- Study statistical and computational techniques to manage and analyze health science data
- Recipient of the Harvard Chan Central Grant for academic excellence from the biostatistics department

### University of Georgia

*Bachelor of Science in Computer Science, Minor in Public Health*

*May 2018*

Cumulative GPA: 4.0

- Graduated Summa Cum Laude and as a First Honor Graduate
- Member of the Phi Beta Kappa Honor Society and the Honors Program at UGA

## Academic Experience

### HarvardX

*Graduate Teaching Assistant (TA)*

**Cambridge, MA**

*Nov. 2018 – present*

- Assist with the instruction of Dr. JP Onnela's Using Python for Research (PH 526x) on the edX platform
- Answer student's questions regarding conceptual lecture material and programming assignments
- Troubleshoot issues with the online learning platform

### Athens Science Observer

*Writer and Editor*

**Athens, GA**

*May 2016 – May 2018*

- Wrote and edited pieces on a variety of topics to promote the understanding and appreciation of science

### University of Georgia's Department of Computer Science

*Undergraduate Teaching Assistant (TA)*

**Athens, GA**

*Jan. 2018 – Apr. 2018*

- Assisted Dr. Michael Cotterell with the instruction of Software Development (CSCI 1302) at the University of Georgia
- Provided feedback and performed grading of students' tests, homework, and programming assignments
- Answered student's questions regarding classroom lecture material and programming projects

### Data Dawgs

*Founding Member and Workshop Leader*

**Athens, GA**

*Sept. 2017- Apr. 2018*

- Assisted in the organization of a new club at UGA that is interested in data science, informatics, and machine learning
- Led machine learning workshops, data science research paper discussions, and data science team projects
- Created and managed the organization's website using GitHub pages at [datadawgs.github.io](http://datadawgs.github.io)

### UGA Center for Undergraduate Research Opportunities

*Undergraduate Researcher*

**Athens, GA**

*Jan. 2017 – Apr. 2017*

- Utilized NLP techniques and semi-supervised machine learning to identify misinformation regarding vaccines online
- Presented findings at the UGA 2017 CURO Symposium

### National Science Foundation REU Program

*Undergraduate Researcher*

**Athens, GA**

*May 2016 – Jul. 2016*

- Analyzed statistical biases associated with the parameterization of mathematical models of infectious disease spread
- Presented findings at the UGA REU Symposium and the NIMBioS 8th Annual Undergraduate Research Conference

## Professional Experience

### Environmental Protection Agency (EPA)

*Data Analytics and Visualization VSFS Intern (Remote)*

**Seattle, WA**

*Sept. 2017 – Apr. 2018*

- Worked with cross-functional team based in Seattle to analyze pollutant data from water monitors in NW Washington
- Performed data comparisons between the ZAPS water sensor data and the EPA laboratory grab sample data
- Performed correlation analyses between rainfall data and water pollutant/peak load data

### Amgen

*Clinical Systems Analyst Intern*

**Thousand Oaks, CA**

*Jun. 2017 – Aug. 2017*

- Worked with cross-functional teams to implement new medical coding system into clinical trial databases
- Coordinated the planning and monitoring of project deliverables and timelines for implementation
- Assisted with the drafting of requirements documentation and specifications

## Additional Information

**Skills:** Python, R, SQL, Java, C++/C, JavaScript, Machine Learning (Scikit-Learn), Deep Learning (TensorFlow), Data Wrangling (Tidyverse, Pandas), Data Visualization (ggplot2, Matplotlib), Natural Language Processing (TF-IDF, Word Embeddings, LDA), Statistical Inference, HTML5/CSS3, Unix, Git/GitHub, Science Communication, Microsoft Word, Excel, and PowerPoint

**Certifications:** Undergraduate certificate in Applied Data Science, Coursera certificates in Neural Networks & Deep Learning.