

Jonathan Waring

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Education

Harvard University

Master of Science in Health Data Science

Expected Dec. 2019

Cumulative GPA: 3.75

- 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
- Writer/Editor for the Athens Science Observer and Founding Member/Technology Lead for Data Dawgs

Academic Work Experience

HarvardX

Cambridge, MA

edX Teaching Assistant (TA)

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

University of Georgia's Department of Computer Science

Athens, GA

Undergraduate Teaching Assistant (TA)

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

UGA Center for Undergraduate Research Opportunities

Athens, GA

Undergraduate Researcher

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

Athens, GA

Undergraduate Researcher

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 Work Experience

Dana-Farber Cancer Institute

Boston, MA

Data Science Intern

Mar. 2019 – present

- Review the current academic literature on Automated Machine Learning (AutoML), including the topics of Neural Architecture Search (NAS), Automated Feature Engineering, and Hyperparameter Optimization
- Implement an AutoML system to convert unstructured EHR data into useful, structured clinical data concepts

Environmental Protection Agency (EPA)

Seattle, WA

Data Analytics and Visualization VSFS Intern (Remote)

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

Thousand Oaks, CA

Clinical Systems Analyst Intern

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, Scala, SQL, Java, C++/C, JavaScript, HTML5/CSS3, Machine Learning (Scikit-Learn, caret, H2O), Deep Learning (Keras, TensorFlow), AutoML, Data Wrangling (Tidyverse, Pandas), Data Visualization (ggplot2, Matplotlib), Natural Language Processing (TF-IDF, Word Embeddings), Network Graph Analysis (NetworkX), Statistical Analysis (JMP), Unix, Git/GitHub, Science Communication

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