Jonathan Waring

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Education

Harvard University	*Expected Dec. 2019*
Master of Science in Health Data Science	Cumulative GPA: 3.84

- 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	*May 2018*
Bachelor of Science in Computer Science, Minor in Public Health	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**
Teaching Assistant and Content Developer	*Nov. 2018 – present*

- Assist with the instruction of Dr. JP Onnela's Using Python for Research (PH 526x) on the edX online learning platform
- Answer student's questions regarding conceptual lecture material and programming assignments
- Develop programming assignments and a course capstone project with JupyterLab
- 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)
- Utilize AutoML libraries and NLP techniques to automate the extraction of CS Site-Specific Factor (SSF) codes for breast cancer patients from pathology reports and clinical notes

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, SQL, Java, C++/C, JavaScript, HTML5/CSS3, Machine Learning (scikit-learn, caret, H_2O), Deep Learning (Keras, TensorFlow), AutoML (auto-sklearn, Auto-Keras), Data Wrangling (pandas, tidyverse), Data Visualization (matplotlib, seaborn, ggplot2), Natural Language Processing, Computer Vision, Network Graph Analysis (NetworkX), Cloud Computing (GCP), Unix, JupyterLab, Git/GitHub, JMP, Scientific Communication
Certifications: Undergraduate certificate in Applied Data Science, Coursera certificates in Neural Networks & Deep Learning