

CHRISTOPHER ELLIOTT

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Current Address:

Cornell University
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EDUCATION

Cornell University, Computing and Information Sciences, Ithaca, NY
Bachelor of Science in Information Sciences with a Concentration in Data Science
Expected Graduation Date: May 2020

HONORS/ AWARDS

Lower Hudson Valley Diamond Foundation Scholarship Recipient
Omega Psi Phi Scholarship Award Recipient

RELATED COURSEWORK

Ubiquitous Computing **Fall 2018**
Upper-level Computer Science class that introduces students to the field of Ubiquitous Computing, a multidisciplinary research area that draws from Machine Learning, Machine Perception, Signal Processing, Human-Computer Interaction, as well as Psychology and Sociology. Assignments focus on classifying movement data, Wi-Fi localization and developing wearables. Students are expected to research and develop their own Ubiquitous system and present their system as a final project.

Data Science **Spring 2018**
Basic mathematical methods for information science, with applications to data science. Topics include discrete probability, Bayesian methods, graph theory, power law distributions, Markov models, and hidden Markov models. The course drew upon examples and applications from various areas of information science such as the structure of the web, genomics, social networks, natural language processing, and signal processing.

RELATED EXPERIENCE

Cornell Data Science - Education Team **August 2018 - Present**
Prepared educational tutorials on various aspects of data science as well as their real world applications; created lessons and guides in Jupyter notebooks. Materials covered include Natural Language Processing, Data Mining and Deep Learning.

Teaching Assistant - Data Science and Machine Learning for Python **August 2018 - Present**
Arranged a curriculum for the student-run course: 'Introduction to Data Science and Machine Learning' and helped to disseminate knowledge about Machine Learning by hosting tutoring workshops. Assisted students with troubleshooting data science projects. Assessed and graded assignments.

Detecticav(ity): Cavity Detection System **Spring 2018**
Designed and built a system which aimed to detect cavities in human teeth using spectral chirp analysis and Machine Learning. Results from the project showed that the system was moderately effective with 64 percent accuracy in a laboratory setting.

ADDITIONAL SKILLS

Software/Libraries: TensorFlow; Sklearn; SciPy; NumPy; Pandas; Scikit; Anaconda; Hadoop; Arduino; Android Studio; UNIX operating system; Windows operating system

Programming: Python – Fluent; Java – Fluent; C++ – Working Proficiency; SQL – Working Proficiency

ACTIVITIES

Amnesty International at Cornell University, Co-President Emeritus (2017-2018): Led the development and execution of the organization's long-term strategy of fighting against global human rights abuses. Responsible for the day-to-day management decisions. Planned and executed a "Week of Action" with various student organizations and educational departments to educate the Cornell population on mass incarceration and other human rights abuses.

