Matthew Frucht

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EDUCATION

Cornell University
B.S. in Information Science
Dyson Business Minor
Expected Grad. May 2021
GPA: 3.586

SKILLS

Languages:
Python, Java, JavaScript, PHP, HTML, CSS, SQL, LabVIEW
Frameworks and Packages:
NumPy, Pandas, Flask, Beautiful Soup, Socket.IO, React.js, D3.js
Tools:
Git,
Adobe Photoshop,
LaTeX

COURSEWORK

- Human-Computer Interaction
- Designing Tech for Social Impact
- Data-Driven Web Applications
- Design and Programming for the Web
- Intro to Data Science
- Networks
- Object Oriented Programming and Data Structures
- Intro Computing Using Python
- Teams and Tech

INTERESTS

Playing Drums/Guitar
Hiking • Being Outdoors
Watching Hockey • Reading
Cornell History

EXPERIENCE

Dept. of CIS, Cornell University   August 2018 – present
Teaching Assistant, CS 1110/1133   Ithaca, NY
- Holding weekly office hours and facilitating hour-long lab sessions.
- Hosting one-on-one sessions to provide individual students with a clearer understanding of course material.
- Grading projects and exams for a class of over 800 students learning Python and the fundamentals of programming.

Fussell Lab, Cornell University   June 2019 – August 2019
Research Assistant   Ithaca, NY
- Developed the front-end portion of a web application designed for non-native English speakers that measures the politeness of text messages primarily using Python and JavaScript.
- Incorporated a bag-of-words classifier to improve computer-mediated communication where traditional computer-translation can lead to inappropriate tone.

PROJECTS

Analyzing Baseball Performance Given Weather Conditions
- Worked with NumPy, Pandas, and Beautiful Soup to obtain and investigate Baseball and Weather statistics for correlation.

Dynamically Visualizing World Happiness Data
- Used D3.js to create a dynamic data-driven visualization that displays data from the World Happiness Report on an interactive map.

ACTIVITIES

Delta Tau Delta Fraternity
House Manager   2018 - Present
- Leading the upkeep and improvement of chapter house where members live, assigning weekly cleaning jobs, and coordinating maintenance with university.

Philanthropy Chairman   2018 - Present
- Planning philanthropy events, keeping track of members' philanthropy hours, and coordinating fundraising efforts with local chapter of the Juvenile Diabetes Research Foundation.

Cornell University
Orientation Leader   2018 - Present
- Leading Orientation events and meetings with incoming students.