Matthew Frucht

(516) 491-6472 • msf239@cornell.edu
matthewfrucht.com

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:
Usability/UX Testing, User Research
Figma, Sketch, Adobe Photoshop, LaTeX

COURSEWORK

Human-Computer Interaction
Designing Tech for Social Impact
Data-Driven Web Apps
Design & Programming for the Web
Intro to Data Science • Networks
OOP & Data Structures
Intro CS 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.
- Implemented a bag-of-words classifier to improve computer-mediated communication.

PROJECTS

Promoting Stress Management Through Social Interaction

- Prototyped an application designed to allow college students to meet new people and socialize face-to-face.
- Iterated through the human-centered design process to: formalize user needs; explore the solution space through affinity diagramming; create prototypes with Balsamiq and Figma.
- Evaluated prototypes through usability testing and heuristic evaluation.

Analyzing Baseball Performance Given Weather Conditions

- Explored correlation between Baseball and Weather statistics to see how weather affects different aspects of the sport. Used NumPy, Pandas, and Beautiful Soup.

Dynamically Visualizing World Happiness Data

- Created a dynamic data-driven visualization that displays data from the World Happiness report on an interactive map using D3.js.

ACTIVITIES

Delta Tau Delta Fraternity

- House Manager2018 - Present
- Philanthropy Chairman2018 - Present

Cornell University

- Orientation Leader2018 - Present