

NURAY Y. ÖZDEN

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STATEMENT

I am passionate about data analysis, information systems research, and exploring the intersection of technology and vital societal questions. I am looking for an innovative environment that fosters intellectual minds, working to provide solutions for complex problems beyond an academic environment.

EDUCATION

Cornell University, College of Engineering

Fall 2020 - Spring 2024

Bachelor of Science in Information Science, Systems and Technology (Concentration in Data Science)

College of Engineering Dean's List for 7 semesters

George C. Marshall High School, International Baccalaureate (IB) Diploma

Fall 2016 – Spring 2020

RELEVANT COURSEWORK

Intro to Machine Learning | Tools for Operations Research | Natural Language Processing | Learning with Big Messy Data | Intern. Design & Web Programming Probability & Statistics I & II | Object-Oriented Programming & Data Structures

SKILLS

Programming: Python (NumPy, Pandas, Scikit, PyTorch, Seaborn), SQL, HTML, CSS, PHP, Java, JavaScript, R
Languages: English (native), Turkish (proficient)
Interfaces: Tableau, RedCap, Microsoft Office

PROFESSIONAL EXPERIENCE

Business Analyst Intern

Cox Automotive || Atlanta, GA

Summer 2023

- Created automated status reports by writing SQL queries and collaborating with software engineers to integrate into PHP website code, allowing clients to pull live reports of data from company software system.
- Authored a definitions document of services for internal use, utilizing information from 10+ interviews.
- Proactively initiated and organized all meetings with superiors and co-workers to foster effective communication and collaboration.

Technology Correspondent Research Assistant

Cornell University Professor Laura Bellows || Ithaca, NY

Fall 2022 - present

- Improving data collection methods for e-HEROs study, which examines digital parent/child intervention methods for healthy eating and activity behaviors in low-income and low-literacy communities.

Undergraduate Research Assistant

Cornell University Professor Christopher Anderson || Remote

Summer 2022

- Evaluated a 100+ page, weekly-updated data set and developed a procedure in Python to aggregate and transfer data to a concise google sheet. Crafted bi-weekly reports of all work.
- Implemented Vehicle Routing Problem algorithm on data, discovering optimal routes for 10 planes and 50 jobs using Google Operations Research Tools.

Data Analytics Research Intern

Georgetown University MedStar Health || Remote

Summer 2021

- Created data visualizations, organized large datasets, and crafted surveys from information database.
- Researched and completed 4 projects about patient hospital satisfaction per state, personal health, and post-surgery patient status of 200 patients using RedCap, Jupyter, Python, and R. Presented to executives.

LEADERSHIP / OUTREACH

Vice President of Member Experience, Tri Delta Sorority

Cornell University || Ithaca, NY

Spring 2022–present

- Leading subcommittee of 6 individuals year-round and chapter of 100+ individuals during recruitment, with weekly presentations and workshops during recruitment months.
- Plan recruitment schedule, analyze data regarding disaffiliating and recruitment, and hold weekly meetings for individuals who consider deactivations.