NURAY Y. ÖZDEN

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STATEMENT

I am passionate about exploring the intersection of technology and design through the lenses of data science and information systems. I am looking for an innovative environment that fosters intellectual minds, working to provide creative and multi-disciplinary solutions for complex problems in fashion and sustainability.

EDUCATION

Cornell University, College of Engineering – Graduated Cum Laude 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
Interm. Design & Web Programming
Object-Oriented Programming & Data Structures
Communication in Virtual Worlds (VR & AR)

TOOLKIT

Programming & Scripting: Python (NumPy, Pandas, Scikit-learn, PyTorch, Seaborn), HTML, SQL, CSS, Java, JavaScript, PHP
Platforms: Kubernetes, Docker, MariaDB, SQLite, Tableau, REDCap, Microsoft Office
Operating Systems: Linux, Windows
Languages: English (native), Turkish (proficient), Arabic (beginner)

PROFESSIONAL & RESEARCH EXPERIENCE

Solution Engineer
Appian || McLean, VA October 2024 - Present

- Provide technical support and creative problem-solving for Appian's customers on the Integration and Design Team, utilizing full-stack knowledge of the platform, data analysis, and systems administration.
- Collaborate cross-functionally to improve platform availability, performance, and security while gaining experience in software development, programming languages, and RDBMS platforms.
- Build interfaces and processes using Appian to aid workflow across the Solution Engineering department.

Research Collaborator
Cornell University Mona Maher and Professor Fatma Baytar || Ithaca, NY Spring 2024 – Summer 2024

- Co-authored paper 'Exploring Machine Learning Models to Predict Garment Fit in 3D Fit Sessions' by researching 4 ML models, designing model structures, writing code in Python for 12 model veriations, facilitating discussions with other researchers, and presenting model results in a 12-page write-up.
- Awaiting submissions to conferences and/or research journals.

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 the company's software system.
- Authored a definition document of services for internal use, utilizing information from 10+ interviews.

Research Assistant
Cornell University Professor Laura Bellows || Health Behaviors Lab || Ithaca, NY Fall 2022 - Spring 2024

- Created a Data Integration pipeline using Boomi software to capture and organize participant text and image data for the lab's future research projects. Wrote documentation for maintenance and future implementation.
- Awarded 3rd place in the Silent Hoist and Crane competition.

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 the Vehicle Routing Problem algorithm on data, discovering optimal routes for 10 planes and 50 jobs using Google Operations Research Tools.