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 beyond an academic environment.

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 Probability & Statistics I & II | Object-Oriented Programming & Data Structures

SKILLS

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

PROFESSIONAL AND 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.

Co-Author
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 ML models, designing model structures, writing code in Python, facilitating discussions with other researchers, and presenting model results in a 12-page summary 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 company software system.
- Authored a definition 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.

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

- Created a Data Integration pipeline using Boomi software to capture and organize participant text and image data for lab future research projects. Awarded 3rd place in 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 Vehicle Routing Problem algorithm on data, discovering optimal routes for 10 planes and 50 jobs using Google Operations Research Tools.