

Noor Mostafa

noormostafa146@gmail.com | 908-391-5288 | [LinkedIn](#)

EDUCATION

Carnegie Mellon University, Pittsburgh, PA

2025 | GPA: 4.00

Bachelor of Science; Major of Interest: Information Systems with minor in Economics

INVOLVEMENT

Students Using Data for Social Good, Pittsburgh, PA

2021 - Present

Data Project Chair

- Contacted Pittsburgh's Group Against Smog and Pollution to identify challenges to achieving their goals
- Scoped and managed data-driven student team in hopes of developing dashboard that increases awareness of pollutant levels and lessens community exposure
- Responsible for organization finances

Carnegie Mellon Racing - Autonomous, Pittsburgh, PA

2021 - Present

Perceptions Team Member

- Learned about perceptions pipeline being implemented to develop an autonomous competition race car
- Gained working knowledge of deep learning and its implementation
- Acquired an instance segmentation dataset to train the neural network on the 4 cones types
- Trained instance segmentation network on the dataset for detection and depth awareness

Islamic Society of Basking Ridge, Basking Ridge, NJ

2017-2021

Project Leader

- Directed a group of 12 high school students in designing and implementing service projects
- Spearheaded projects by motivating group members and sparking community excitement
- Initiated annual food and diaper drives, environmental sustainability awareness project, and other projects

PROJECTS

Introduction to Programming and Computer Science, 15-112

2021

[Term Project](#) (video demo linked)

- Applied Python skills to produce an algorithmically complex crossword puzzle game
- Implemented optimized random letter generation and recursive backtracking for puzzle layout

Reasoning with Data, 36-200

2021

Analyzing Article Data

- Performed exploratory data analysis on data set containing 5,000 articles posted to Mashable
- Applied statistical inference techniques to discover a relationship between genre of article and number of shares and no relationship between day of the week posted and number of shares
- Assembled findings to provide recommended actions for share-maximizing firms

EXPERIENCE

AT&T Summer Learning Academy

2021

Extern

- Earned Credly Certification by completing 80 hours of asynchronous and live speaker sessions with business and technology leaders internal and external to AT&T
- Gained new insight on project management, business acumen, design thinking, and emerging technologies

Meadowbrook Country Daycamp, Long Valley, NJ

2019-2021

Swim Instructor and Certified Lifeguard

- Cultivated aquatic confidence in campers by instructing 40 children ages 5-12 each summer on swimming
- Assessed campers to communicate constructive feedback that fostered improvement and encouragement

SKILLS

G-Suite, Python, R, SQL, Java, data strategy, professional writing, drummer, music management