Matthew Wuyan

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EDUCATION

Boston University | Boston, MA   *September 2018 – May 2019*
BA in Computer Science   **GPA: 3.71/4.00**
Awards & Honors: Dean's List (All semesters)
 Relevant Coursework: Intro to Python, Data Structures, Combinatoric Structures, Geometric Algorithms

Northwestern University | Evanston, Illinois   *June 2022*
BA in Computer Science   **GPA: 3.53/4.00**
Relevant Coursework: Fundamentals of Computer Programing, Intro to Computer Systems, Data Structures & Algorithms,
                               Intro to Artificial Intelligence, Machine Learning

Interesting Projects:

- Machine learning clustering approach to image classification for handwritten digits. Implemented both a K-Means algorithm approach and a Gaussian mixture model approach, achieving 70% classification accuracy. Implemented in Python using the NumPy library and MNIST handwritten digit dataset.
- Movie rating system using a k-nearest neighbors approach for collaborative filtering. Predicts ratings for a movie that a user has not watched based on its similarity to other users that have watched the movie. Implemented in Python using the NumPy library and MovieLens dataset.
- Sudoku solver that solves a sudoku puzzle for a given board. Uses either a backtracking or a forward checking algorithm to find a solution if the problem is solvable.

EXPERIENCE

Supernova Technology | Chicago, Illinois   *May 2019 - September 2019*
Marketing & Research Analyst

- Researched and compiled comprehensive target customer profiles
- Created account plans for existing Supernova clients
- Designed product fact sheets for each of the 6 core components of the Supernova securities-based loan system

Asian American Civic Association | Boston, Massachusetts   *November 2018 - May 2019*
Teacher & Volunteer

- Helped female immigrants become familiarized with daily life functions and applications on computers and smartphones
- Prepared presentations in Chinese and taught the English terms associated with these computer or smartphone applications

Dragon Trail Interactive | Beijing, China   *July 2018 - August 2018*
Marketing Intern

- Researched potential points of interest for Dragon Trail clients
- Created presentations to pitch Dragon Trail marketing packages to potential clients

Chu National Informatics | Beijing, China   *June 2018 - July 2018*
Teaching Assistant

- Oversaw a class of 10 students aged 7-14
- Assisted in helping the students learn computational problem-solving skills and the fundamentals of programming in python

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LEADERSHIP

Northwestern Chinese Student Association | Social Chair   *February 2020 - Present*

- Organize and coordinate intraclub or interclub events and activities

Boston University Club Tennis Team | Secretary   *September 2018 - May 2019*

- Developed team itinerary and coordinated travel logistics for out of state tournaments
- Managed the practice schedules and secured proper equipment for team practices.

SKILLS

Programming Languages: Python, Java, C++, C, Racket, Javascript
Languages: Chinese (working proficiency)