

Matthew Ye

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EDUCATION

UNIVERSITY OF MARYLAND COLLEGE PARK

BS | INFORMATION SCIENCE

SPECIALIZATION IN DATA SCIENCE
College of Information Studies

BS | PSYCHOLOGY

College of Behavioral and Social
Sciences

GPA: 3.88/4.0 | Graduation: May 2020

COURSEWORK

UNDERGRADUATE

Object Oriented Programming
Data Science
Data Visualization
Database Design
User Centered Design
Web Development
Social Psychology
Psychology of Learning and Behavior
Research Methods

SKILLS

PROGRAMMING

Python • Pandas • R
MySQL • HTML/CSS • JavaScript

TOOLS

Tableau • RStudio • JASP
Adobe Photoshop • Adobe Illustrator

CERTIFICATIONS

Social Behavioral Research - CITI
Program (exp. Feb 2022)

LANGUAGES

American Sign Language (ASL), English

ACTIVITIES

UNIVERSITY OF MARYLAND

Multicultural Association of
Psychology Students

- Executive Board Member

College Park Scholars - Science &
Global Change Fundraising
Committee

- Co-founder

EXPERIENCE

UMD - CONFERENCES & VISITOR SERVICES

ASSISTANT OPERATIONS & IT MANAGER

Jan 2019 – Present | College Park, MD

- Responsible for the front-end development of numerous websites and aided in updating current websites to ADA compliance
- Help in the development of software and scripts, including SQL Database upkeep
- Provide desktop support to students/professional staff and participate in IT training

UMD - DEPARTMENT OF RESIDENT LIFE

CUSTOMER SERVICE SUPERVISOR

Aug 2018 – Present | College Park, MD

- Supervise a 24-hour Residence Hall service desk and a staff of 13 Community Assistants
- Responsible for holding weekly meetings, perform staff evaluations, execute job action, develop schedules, and train employees on job duties
- Ensured the safekeeping of over 300 keys, student mail + packages, and confidential student information in accordance with FERPA
- Assist in unique troubleshooting scenarios within tight time constraints

PROJECTS

VARIOUS DATA ANALYSIS PROJECTS Sept 2018 - Dec 2018 | College Park, MD

As part of an Advanced Statistics and Data Science course, completed numerous data analyses using R and Python. Tasks involved:

- Imported, cleaned, restructured, and subset data (thousands of rows) for proper analysis
- Created hypotheses and understand the importance and context around the problem domain
- Extracted and analyzed information from data using Chi-square, T-tests, and Single and Multiple OLS Regressions

FOOD SAFETY PG Aug 2019 - Dec 2019 | College Park MD

Worked with a team in an agile dev environment to create a dynamic web application to identify and locate compliant restaurants in PG County, MD. Tasks involved:

- Used HTML/CSS to develop attractive front-end framework and Node.js to develop back-end
- Created a complete open source Developer and User Manual
- Used Javascript to fetch data from external API and present it to users in a meaningful way

MASS SHOOTINGS IN THE UNITED STATES Jan 2019 - May 2019 | College Park, MD

Work with a team to design and create a Relational SQL database that tracks and stores data on mass shootings in the United States. Tasks involved:

- Cleaned data from public data set using MS Excel and import into MySQL
- Created logical design, identify primary and foreign keys, create table and column names, create code tables
- Created SQL queries and Views to answer pertinent information problems