

Felice Xie

47 Old Brook Road, Shrewsbury, MA, 01545 | (617) 653 3683 | fxie48@gatech.edu | <http://www.linkedin.com/in/felicexie>

Education

Georgia Institute of Technology

Atlanta, GA

- Expected Graduation: May 2023
- Bachelor of Science in **Industrial Systems Engineering: Analytics & Data Science Concentration**
- GPA: **4.00/4.00**

Experience

Undergraduate Research Assistant | Georgia Institute of Technology – Health Analytics

Spring 2021 -- Present

- Study and understand how to improve mental health treatment in underserved youth in rural Georgia
- Clean and analyze large, complex Medicaid Claims datasets using techniques in SQL, Python, and R

Projects

Moving Graphical User Interface (GUI) | Georgia Institute of Technology

Fall 2020

- Collaborated to create GUI that allowed user to compare 182 countries to determine the best country to move to
- Used BeautifulSoup and Pandas to extract and clean data from HTML websites, CSV files, and Excel files
- Created interactive bubble map and line graphs using plotly displaying trends between different countries

COVID-19 Vacationing Graphical User Interface (GUI) | Georgia Institute of Technology

Fall 2020

- Extracted data on COVID-19 cases for 214 countries from Worldometer with HTML parsing and BeautifulSoup
- Extracted data about the countries, including population and population density from CSV file with Python
- Created a GUI that outputted whether or not a country is recommended to vacation in based on COVID-19 cases

West Village Website | Georgia Institute of Technology

Spring 2020

- Used CSS and HTML to create informative website on-campus dining and the health effects of dining hall food
- Helped provide easy access to an organized page dedicated to dining hall hours, menus, and other information

Healthy Aging Neighborhood Study | University of Massachusetts Medical School

Summer 2019

- Evaluated the physical activity of elderly participants by utilizing BTQ1000XT GPS and GT9X accelerometers
- Exported accelerometer data into CSV file and merged with classified data to filter out moments of inactivity
- Worked with 1 intern to improve project understanding by creating a presentation explaining the role and procedure for extracting and processing GPS/Accelerometer data for researchers not directly related to study

Skills

- **Technical Skill:**
 - Python (NumPy, Pandas, Matplotlib, Plotly, Seaborn, Scikit-learn)
 - SQL (MySQL, PyMySQL)
 - R-Programming (ggplot2, tidyverse, dplyr)
 - Java (Object Oriented Programming, GUI)
- **Communication:** Presentations, Email, Meetings
- **Languages:** English (fluent), Cantonese (fluent), Mandarin (intermediate)
- Microsoft Excel
- Keras
- Tensorflow

Leadership

VP Records, Delta Phi Lambda Sorority, Inc.

January 2020 – Current

- Strengthened organizational skills by organizing sorority documents and overseeing member status
- Improved chapter unity with a constantly updated, shared Google Calendar and attendance spreadsheet
- Serve as primary liaison to regional governors of the national organization in terms of events and requirements

Event Coordinator, Vietnamese Student Association

August 2020 – Current

- Collaborated and managed with three directors for last-minute, large scale events, strengthening communication and organizational skill

Philanthropy Chair, Delta Phi Lambda Sorority, Inc.

January 2020 – December 2020

- Engage sorority's 17 members in volunteerism by reaching out to 5 local external organizations in search of community service opportunities
- Develop strategies to promote awareness of the sorority's national philanthropic focus on osteoporosis