

Kathy Wang

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Summary

Computer Science Masters (MCS) student searching for Summer 2022 internship. Looking for data analysis and science internship to gain valuable experience in creating models and drawing insights that make a difference.

Education

Rice University, Master of Computer Science

Aug 2021-Dec 2022

GPA: 3.66

Classes taken: Big Data Management, Statistics in Data Science, Genome-Scale Algorithms and Data Structures

Spring 2022 classes: Machine Learning, Ethics in AI, Deep Learning for Vision and Language

University of Texas at Austin, Bachelor of Science and Arts Biology

Aug 2016-Dec 2020

GPA: 3.7653

Certificates: Pre-Health Professions, Elements of Computing

Classes taken: Multivariate Calculus, Linear Algebra, Elements of Web Programming, Elements of Software Design, Elements of Databases, Data Visualization, Computational Biology and Bioinformatics, Digital Media Production, Intro to Clinical and Abnormal Psychology, Cultural Anthropology

Skills

- Programming Languages: Python, Java, SQL, R, HTML, CSS, PHP, JavaScript
 - Data Science: Machine Learning, Logistic Regression, Neural Networks, Numpy, Pandas, Pytorch
 - Databases: MySQL, MongoDB, Neo4j, Firestore, AWS, Hadoop, Spark
 - Digital Art and Design: Adobe Photoshop, After Effects, Illustrator
 - Experience in Organic Chemistry Labs: NMR, Gas Chromatography, Distillation, Synthesis
 - Experience in Biology Labs: Handling live specimens and cell cultures, Dissection
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Work Experience

Pharmacy Technician at H-E-B Pharmacy

Aug 2018-Aug 2019

- Worked with team to provide healthcare and medication to community in retail setting.
 - Problem Solving: resolved health insurance issues and medication filling mistakes
 - Customer Service: communicated with customers and informed them of medication and their fillings
 - Health Screenings: helped conduct free and paid health screenings checking glucose and cholesterol levels of patients using monitors provided by H-E-B and collecting blood samples
 - Adapted to different environments: worked at multiple H-E-B locations with different team members and learned to adapt to workflow and communicate
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Projects

To view all projects noted below: <https://kathyJW.github.io/projects/>

Computational Biology and Data Analysis

- Data analysis of COVID-19 impact on Austin Animal Shelter adoptions and projects exploring the shelter data using R.

Databases

- Investigated flight delay data from the Bureau of Transportation with storm event data from National Oceanic and Atmospheric Administration using Google Cloud Project, BigQuery, Apache Beam, and SQL.
- Created database model and cleaned raw data to use in queries to find relations of interest.

Data Visualization

- Team project to visualize volcanic eruptions around the world. Used Python and Altair to create interactive map and legend.

Web Programming

- Worked with a team to create a flight booking site that allowed the user to book flights by origin and destination.
- Implemented HTML, CSS, AJAX, PHP, JavaScript, and MySQLi to create an appealing front-end and back-end that could access a SQL server.

Leadership and Service

Chair in STEAM committee of Lions Club International at UT Austin chapter

2016-2017

- Learned to work in a committee, solve problems, and engage and inspire members to help others.
- Contacted volunteer coordinators from local Austin organizations to set up volunteering events, such as Very Special Arts (VSA) Texas. Led groups of volunteers from Lions Club at these events.
- Presented volunteer opportunities at weekly meetings.
- Introduced children to art, science, and engineering fields.
- Helped in local Austin clean-up projects, animal shelters, food drives, and community gardens. Provided food and interacted with the homeless directly.
- Carried out free eye examinations with Spot Vision Screener.
- Total of 160 Service Hours completed 2016-2017

Officer of Collaborative Artists

2017-2020

- 2017-2018 Treasurer, 2019 Secretary, 2019-2020 President
- Maintained bank account and funds for social art club and events.
- Took pictures and organized them for end of year Gallery Night event.
- Collaborated with other officers to plan and host weekly meetings and socials.
- Interacted with members and promoted art discussion.
- Led team to cooperate and work together to host club meetings.

Member of Longhorn Pre-Pharmacy Association

2016-2019

- Introduced in depth to pharmacy field through workshops.
- Volunteered at events around community and UT pharmacy school events.

Cultural Interests Association Member

2017-2019

- Informed of different world cultures by speakers at bi-monthly meetings.