**Guan Chen**

[guanhchen.github.io](https://guanhchen.github.io/) | guanhc416@gmail.com | 646-255-6596

**EDUCATION**

**University of Texas at Dallas Aug. 2019 - Present**

Master of Science, Social Data Analytics and Research Jan. 2024 – Dec 2025

3.953 / 4.0

Bachelor of Science, BiochemistryAug. 2019 – Dec. 2022

3.691 / 4.0

Academic Excellence Scholarship Award

SPUR Honors Presentation Award

**PROJECTS**

**Expedia Webscraper**

* Developed a web scraper using Python’s Selenium package to automate the collection of airline prices, flight durations, and layover details from Expedia
* Designed optimization logic to identify cost-effective and time-efficient flight options, streamlining the decision-making process for users

[**Expense Analytics Web Application**](https://guanhchen.shinyapps.io/expenseapp/)

* Developed a dynamic web application in R using Shiny, integrated with PostgreSQL for secure storage and efficient management of expense data
* Designed and implemented an interactive dashboard to analyze personal expenses, providing detailed insights into spending patterns to support effective budgeting strategies

**WORK EXPERIENCE**

**University of Texas at Dallas Jan. 2022 – Present**

*Laboratory Technician Richardson, TX*

* Led a team of undergraduate researchers to investigate "forever chemicals" in the body, fostering collaboration and advancing research initiatives
* Compiled, analyzed, and presented research findings at meetings and conferences, effectively communicating insights to diverse audiences
* Performed statistical, qualitative, and quantitative analyses to identify trends and validate research outcomes, leveraging tools and methodologies applicable to data analytics
* Maintained and recorded experimental data adhering to good documentation practices, ensuring accuracy and reproducibility

**EXTRACURRICULARS**

UTD Summer Biology Camp Speaker Jul. 2021

Pre-Veterinary Medicine Society President 2019 – 2021

**CERTIFICATES**

Google Data Analytics Certificate Jun. 2024