**Guan Chen**

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

**EDUCATION**

**University of Texas at Dallas Richardson, Texas**

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

* 3.95 / 4.0

Bachelor of Science, BiochemistryAug 2019 – Dec 2022

* 3.69 / 4.0
* Academic Excellence Scholarship Award
* SPUR Honors Presentation Award

**WORK EXPERIENCE**

**Motor Controls Inc Dallas, Texas**

*Software Engineer Aug 2025 – Present*

* Maintain and develop operations reports
* Develop new functionalities on top of existing softwares

*IT Intern May 2025 – Aug 2025*

* Developed and implemented employee performance KPI’s using **Power BI**
* Implemented and tested infrastructure supporting **Power BI** integration
* Performed cost analysis and forecasting on transition between BI technologies

**University of Texas at Dallas Richardson, Texas**

*Research Assistant Jan 2022 – May 2025*

* Mentored and trained 7 undergraduate students in experimental design and data analysis
* Reduced experiment preparation time from 45 minutes to 5 minutes by optimizing protocols
* Implemented risk mitigation strategies, decreasing contamination rates in cell cultures by 90%

**PROJECTS**

**Credit Default Prediction Model**

* Optimized a credit default prediction model using machine learning techniques in **Python**, leveraging **Scikit-Learn** and **Pandas** libraries
* Engineered features to enhance understanding of spending behavior, improving model performance

**Automated Expedia Data Pipeline**

* Developed a web scraper using **Python**’s **Selenium** package to automate the collection of airline prices, flight durations, and layover details from Expedia

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

* Developed a dynamic web application to analyze expenses in **R** using **Shiny**, integrated with **PostgreSQL** for secure storage and efficient management of expense data

**CERTIFICATES**

Google Data Analytics Certificate Jun 2024