Kuan-Chen Chen

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EDUCATION

University of Florida — **Gainesville, FL**
Master of Science in Applied Data Science, **GPA:3.88/4.00** — *8/2024- Present*
National Sun Yat-Sen University — **Kaohsiung, Taiwan**
Bachelor of Science in Applied Mathematics, **Last 60 Credits GPA: 3.89/4.00** — *9/2019 – 6/2023*
Honors & Awards: The Valedictorian of Department of Applied Mathematics, Distinguished Service Award

CERTIFICATES & WORKSHOPS

MongoDB : A to Z Building AI Agents	*4/2025*
NVIDIA: Building and Deploying Large Neural Networks	*3/2025 – 4/2025*
NVIDIA: Fundamentals of Deep Learning	*10/2024 – 11/2024*
Coursera: IBM Data Science Professional Certificate	*2/2023 – 6/2023*
Coursera: Advanced Data Science with IBM Professional Certificate	*10/2023 – 12/2023*
FREECODECAMP: Machine Learning with Python	*2/2021 – 6/2021*

TECHNICAL SKILLS

Programming Language: Python, R, SQL, C | Visualization: Power BI, Tableau

WORK EXPERIENCE

Florida Gators Women's Basketball — **Gainesville, FL**
Data Scientist Intern — *8/2025- Present*
- Built analytical models to evaluate opponents' historical offensive data, providing the coaching staff with insights for lineup adjustments and defensive strategies to improve the team's defensive efficiency, with the season goal of qualifying for March Madness.
- Developed interactive dashboards to visualize player statistics from both teams, including historical performance trend lines, with functionality to compare selected players' performance over time.

Bioinformatics Lab, University of Florida — **Gainesville, FL**
Student Research Assistant — *12/2024- Present*
- Analyzed blood protein data from AZ patients and identified key disease indicators through pattern analysis, enabling medical teams to better predict severity levels and develop targeted treatment plans based on validated biomarkers.

Optimized AI Conference — **Atlanta, GA**
Volunteer Staff — *4/2025-4/2025*

Glory Integrated Marketing Co. Ltd — **Taipei, Taiwan**
Data Analyst Intern — *8/2023 -12/2023*
- Analyzed social media content performance across Facebook, Instagram and Blog, studying how different keywords impacted page views to improve Google search rankings.

Research Center for KPP Regional Transport Development — **Kaohsiung, Taiwan**
Student Research Assistant — *9/2022 – 6/2023*
- Performed data preprocessing and statistical analysis on KPP regional transportation datasets, implementing Python-based data visualization pipelines to extract traffic flow metrics and temporal usage patterns across multi-modal transport systems.

PROJECT EXPERIENCE

Cross-League Sports Career Modeling System, University of Florida — **Gainesville, FL**
Individual course project — *1/2025-5/2025*
- Developed cross-sport athlete success prediction model using data from NFL, NBA, and FIFA, achieving 85% accuracy in career trajectory forecasting
- Built interactive web dashboard using Python and Dash enabling young athletes to receive personalized career recommendations based on their physical attributes

Climate Change Innovation Competition, The Ministry of Education — **Taipei, Taiwan**
Leader of Calming Campus Project Team — *10/2022 – 5/2023*
- Design a "Humanity-oriented" campus targeting "Net Zero" emissions and "Vision Zero" traffic fatalities. Developed the DARTS system integrating pedestrian flow and bicycle prediction models.
- Advanced to the finals among 121 teams, shared Bicycle Prediction Model accuracy rate 86.1%.