

# CIARA WACKER

M.S. QUANTITATIVE FINANCE

## CONTACT

+1 (201) 394-5759  
ciarawacker@ciarawacker.com  
98 Dorchester Road, Emerson,  
NJ 07630  
www.ciarawacker.com

## PROFILE SUMMARY

M.S. Quantitative Finance candidate with research experience in statistical analysis and data modeling, seeking opportunities in financial risk management, quantitative analysis, or trading. Combines strong technical skills with collaborative research experience and proven leadership abilities.

## EDUCATION

FORDHAM GABELLI SCHOOL OF  
BUSINESS

Entering August 2025

- M.S. Quantitative Finance
- Awarded the Dean's Scholarship

TRINITY COLLEGE DUBLIN

Expected May 2025

- Bachelor of Psychology
- Relevant Coursework: Statistics & Methodology I, II, III (First Class Honours)

## SKILLS

- Programming & Software:** Python (NumPy, pandas, scikit-learn, matplotlib, statsmodels), Excel (Advanced)
- Quantitative Methods:** Statistical Analysis, Time Series Analysis, Financial Modeling, Monte Carlo Simulation, Stochastic Processes, Quantitative Research, Portfolio Optimization, Risk Metrics (VaR, CVaR)
- Research & Communication:** Quantitative Research Design, Critical Thinking, Data-Driven Decision Making, Communicating Complex Data to Diverse Audiences, Collaborative Problem Solving

## CERTIFICATES

CERTIFICATE IN QUANTITATIVE  
FINANCE (CQF)

Expected June 2025

- Coursework and examinations completed; final project anticipated June 2025
- Core Competencies: Quantitative Risk Management, Derivatives Pricing, Fixed Income Analysis, Data Science & Machine Learning.

## WORK EXPERIENCE

Trinity Centre for Global Health  
Youth Co-Researcher

OCTOBER 2022-  
PRESENT

- Conducted data extraction, statistical analysis, and manuscript development for peer-reviewed research.
- Co-authored publications in respected journals.
- Presented research findings and contributed to guideline development for adolescent involvement in research.

## PUBLICATIONS

- Warraitch, A., Wacker, C., Bijou, S., Lee, M., Bruce, D., Curran, P., Khraisha, Q., & Hadfield, K. (2024). Positive impacts of adolescent involvement in health research: An umbrella review. *Journal of Adolescent Health*, 75(2), 218-230. <https://doi.org/10.1016/j.jadohealth.2024.02.029>
- Warraitch, A., Wacker, C., Bruce, D., Bourke, A., & Hadfield, K. (2024). A rapid review on the involvement of adolescents in health research. *Health Expectations*, 27(3), e14058. <https://doi.org/10.1111/hex.14058>
- Warraitch, A., Wacker, C., Buckley, E., Bourke, A., & Hadfield, K. (2024). How to address the barriers to meaningful adolescent involvement in health research: A qualitative study. *Journal of Research on Adolescence*, 34(4), 1626-1641. <https://doi.org/10.1111/jora.13031>
- Warraitch, A., Sulowska, M., Wacker, C., Lee, M., Bruce, D., Hernon, J., Khraisha, Q., & Hadfield, K. (2025). Involving adolescents in evidence syntheses: An umbrella review. *Systematic Reviews*, 14, <https://doi.org/10.1186/s13643-025-02815-1>
- Warraitch, A., Lee, M., Bruce, D., Curran, P., Khraisha, Q., Wacker, C., Hernon, J., & Hadfield, K. (2024). An umbrella review of reviews on challenges to meaningful adolescent involvement in health research. *Health Expectations*, 27(1), e13980. <https://doi.org/10.1111/hex.13980>
- Warraitch, A., Reynolds, M., Pidgeon, D., Wacker, C., Hadfield, K., & Bourke, A. (in progress). Ethical considerations for participatory research with children and adolescents in bullying research: A rapid review. Manuscript in preparation. OSF.

## LEADERSHIP & ACTIVITIES

Trinity Intervarsity Dance Team	2023 - 2025
Competitive Dancer	
DU Dance Society	2024 - 2025
Workshop Officer	
DU International Student Society	2022 - 2024
Public Relations Officer	