

SICHENG WANG

Irvine, CA | frankw10@uci.edu | linkedin.com/in/sicheng-wang-frank

RESEARCH INTERESTS

Applied mathematics, quantitative economics, data analysis, optimization, automotive manufacturing, operations strategy, supply-chain systems, and programming-based methods for real-world analytical problems.

EDUCATION

University of California, Irvine - B.S. Applied & Computational Mathematics; B.A. Quantitative Economics

Expected Jun 2029 | Irvine, CA

Relevant coursework: Linear Algebra, Multivariable Calculus, MATLAB Programming, Classical Physics, Microeconomics, Macroeconomics, statistics and data analysis foundations.

TECHNICAL SKILLS

Programming & Analysis: MATLAB, Python, Excel/Google Sheets, LaTeX, quantitative problem-solving, data analysis

Mathematical Methods: linear algebra, matrix operations, systems of equations, eigenvalues, multivariable optimization, numerical simulation

Research Support: data organization, spreadsheet tracking, literature organization, documentation, structured follow-up

Languages: Mandarin Chinese (Native), English (Fluent)

EXPERIENCE

Magna - Incoming Operations Strategy Intern

Summer 2026 | Automotive Manufacturing / Parts

- Incoming intern in operations strategy within the automotive manufacturing and parts industry.
- Expected focus includes operations planning, process analysis, supplier-side coordination, and business strategy.
- Interested in applying applied mathematics, quantitative economics, data analysis, and optimization methods to automotive manufacturing and supply-chain problems.

UCI Chinese Union - Peer Support / Orientation Volunteer

Jul 2025 - Present | Irvine, CA

- Supported incoming students by organizing academic questions, tracking unresolved issues, and coordinating follow-up across student teams.
- Maintained structured communication records to support accurate resource referral, consistent responses, and timely issue resolution.
- Explained campus information clearly to students from different academic and cultural backgrounds.

ACADEMIC & TECHNICAL PROJECTS

MATLAB Project: Card Game and Project Euler Problems

- Built a dynamic programming model for an optimal stopping card game with a 52-card deck.
- Computed the expected gain for the 26 black / 26 red card case as 2.624475548994.
- Completed additional Project Euler problems using MATLAB-based numerical and algorithmic problem solving.

Pushed Out of School: Zero-Tolerance Discipline and K-12 Suspension

- Analyzed zero-tolerance mandates, discretionary discipline, and the educational costs of suspension in K-12 education.
- Connected policy design, institutional discretion, and unequal student outcomes through academic source synthesis.

LEADERSHIP

East China Kang Chiao International School - Student Council President

- Led student-facing initiatives involving campaign planning, charity campaign coordination, student policy improvement, and event coordination.