Daniel Yang

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Education

Northwestern University   Sept 2020 – July 2024
3.8 GPA
Bachelor of Arts: Applied Math/Integrated Science Program (ISP), Economics, Chemistry, Biology
- Dean's List (all quarters).
- Member of the Phi Beta Kappa honor society.
- Member of the NU ISP, a highly selective program that presents rigorous natural science and mathematics courses at a highly accelerated pace, with a special emphasis on the connection between math-based logical reasoning and all subjects.
- Relevant Coursework: Complex Analysis, Fourier Analysis, Advanced Quantum Mechanics, Advanced Econometrics, Graduate Synthetic Chemistry, Statistical Mechanics, Probability and Statistics, Biophysics.

Relevant Experiences

Economics Researcher | Northwestern Department of Economics   Jan 2024 – Present
- Worked with Professor Eric Auerbach to perform econometric analysis on the relationship between political party power and crime rate/economic indicators.
- Developed novel assumptions and economic models via mathematical methods to increase the validity of obtained results.
- Collected and analyzed data using methods in Stata, Python, and Excel to construct statistically significant estimates.

Research Fellow | Northwestern Scheidt Lab   Mar 2022 – Jan 2024
- Member of the Scheidt organic chemistry lab and the Chemistry of Life Processes (CLP) department.
- Conducted research (including publication) regarding catalysis and the formation of carbon-carbon bonds using photo, radical, and transition metal methods.
- Spearheaded the discovery and design of potent and selective small-molecule inhibitors to target key enzymes responsible for pancreatic cancer regulation.
- Awarded Lambert Fellowship, CLP's most prestigious undergraduate award for academic and scientific achievements. Participated in a poster presentation at the CLP Research Forum.
- Discussed & presented current research at weekly group meetings and events with professionals and industry professionals.

Nursing Assistant | Northshore University Health System   Dec 2022 – Sept 2023
- Aided post-surgery patients in their recovery process by tending to immediate physical needs and maintaining rapid communication with nurses and physicians.
- Acted as a form of support for patient families in a vulnerable time and worked on teams alongside specialized healthcare professionals during the treatment process. Awarded Service Value Award for exceptional patient care.

Sales Team Assistant | Castle Products Inc.   July 2016 – Dec 2019
- Assisted with company organizational tasks in both the office and warehouse.
- Placed sales orders and managed accounts payable and receivable.
- Maintained inventory in warehouse by updating and reviewing a database of business expenditure history.

Projects

Cofounder | *Pang*   March 2024 – Present
- Led end-to-end product design and technical development of *Pang*, an iOS app designed to promote sustainable and healthy living by tracking pantry and fridge contents, currently with 34 early users.
- Self-taught Swift, using Figma for prototyping, SwiftUI for frontend, and Firebase for backend.
- Ideating and developing new features, including receipt scanning using computer vision and generative AI to suggest meal plans that minimize food waste.

Board Member | Project MED   Sept 2022 – July 2024
- Oversaw a student-run nonprofit that works with Chicago Public Schools to promote health equity and education.
- Directed and worked with teams to create and present interactive workshops regarding a large variety of healthcare and education related subjects.
- Member of *The Garage* at NU, a start-up community that promotes collaboration and project innovation.
- Maintained smooth communication between partner schools, general members, and professional speakers.
- Participated in grant-writing and research proposition processes that provided funds and opportunities for the organization.

Skills & Interests

Technical: Data/Quantitative Analysis, Research Design, Literature Review, Python, Stata, Latex, Microsoft Excel, Word, PowerPoint.
Soft Skills: Communication, Project Management, Problem Solving, Teamwork, Time Management, Mandarin Chinese (Fluent).
Interests: Lifting, Hiking, Euchre & Card Games, Strategy/Autochess Games, Skiing, and Anything Outdoors.