

NANCY PATEL

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EDUCATION

University of Illinois Chicago — Chicago, IL

Expected May 2028

Bachelor of Science in Information and Decision Sciences; Minor in Finance

GPA: 3.17 / 4.0

Honors: Dean's List (Spring 2025, Fall 2025) | Fall 2025 Semester GPA: 3.5

Career Pathways Initiative (CPI) Fellow — Career Prep Series, Fall 2026 – Spring 2027

Relevant Coursework: Intro to Finance, Intro to Management Information System, Operations Management, Business Statistic I, Intro to Business Programming

PROJECTS

Customer Revenue Analysis & Capital Budgeting Model

Intro to Finance, UIC

- Analyzed a 4,200+ record customer database using Excel pivot tables and VLOOKUP to segment new vs. renewing customers and calculate year-over-year revenue variance by state
- Built a discounted cash flow model estimating customer lifetime value, incorporating monthly cancellation-probability decay, tax effects, and a 15% discount rate; used Goal Seek to identify breakeven pricing thresholds under alternative pricing strategies
- Constructed a 5-year capital budgeting analysis (NPV, MACRS depreciation, opportunity cost, net working capital) to evaluate an \$8.5M infrastructure investment decision

Operations & Decision Analytics Projects

Operations Management, UIC

- Built demand forecasting models (naive, moving average, weighted moving average) across multi-city sales data; evaluated forecast accuracy using Mean Absolute Deviation (MAD) and Mean Squared Error (MSE)
- Applied decision-analysis frameworks (Expected Monetary Value, Expected Value of Perfect Information, minimax regret) to evaluate strategic options under uncertainty
- Developed an Economic Order Quantity (EOQ) inventory optimization model and a center-of-gravity facility location model to minimize total operating cost

Student Finance Notion Template Independent Digital Product

July 2026 – Present

- Designing a Notion-based budgeting system for college students, applying personal finance principles (50/30/20 rule, cash flow planning) to a real consumer product with multi-database architecture and automated budget-tracking formulas
- Researching Etsy and Notion marketplace trends to inform pricing strategy and competitive positioning ahead of launch

Snowfall Prediction & Greeting Applications (Java)

Intro to Business Programming, UIC

- Built Java console and GUI applications using Swing, applying custom mathematical models to user input and implementing event-driven logic for real-time output updates

EXPERIENCE

Director of Design — Investment Banking Association, UIC

July 2026 – Present

- Design marketing and visual materials — flyers, presentations, newsletters, and social media graphics — using Adobe Creative Suite and Canva, maintaining brand consistency across all IBA campaigns and events
- Partner with the VP of Marketing and Director of Social Media to translate organizational goals into visual strategy across platforms
- Audit design materials pre-distribution against brand standards, reducing revision cycles and improving turnaround time for the marketing team

Center Assistant — Kumon North America, Inc.

Sept. 2025 – Oct. 2025

- Maintained performance data for 50+ students across Excel-based tracking systems, ensuring data accuracy for center-wide operational and enrollment decisions
- Identified recurring data-entry inconsistencies in student records and developed a spot-check process that improved reporting reliability
- Served as primary point of contact for 30+ families, resolving scheduling and billing questions and supporting a positive customer experience

Training Assistant — Independent Remote Program

June 2025 – July 2025

- Coordinated training logistics and tracked attendance/participation data for 20+ individuals using structured spreadsheets, supporting program evaluation reporting
- Compiled participation trends into summary reports for stakeholders, informing decisions on program timing and format

TECHNICAL SKILLS

Data & Financial Analysis: Excel (Pivot Tables, VLOOKUP, Goal Seek, Solver), Financial Modeling (NPV, DCF, Capital Budgeting), Demand Forecasting, Decision Analysis (EMV, EVPI)

Productivity & Reporting: Notion (databases, formulas, multi-page architecture), Google Sheets, Microsoft Office Suite (Word, PowerPoint, Outlook), Data Management & Reporting

Programming: Java (OOP fundamentals, file I/O, GUI development with Swing)

Design Tools: Adobe Creative Suite, Canva

Business & Platform Tools: Etsy (Shop Management, SEO), Market Research & Competitive Analysis