Natalie Hong

nataliehong@u.northwestern.edu | (847) 715-8343 | linkedin.com/in/natalienhong

EDUCATION

Northwestern University   **Evanston, IL**
Bachelor of Arts | Major: Computer Science | Minor: Economics   Anticipated June 2026
- **GPA: 3.92/4.00** | Dean's List 4/4 quarters
- **Relevant Coursework**: Data Structures & Algorithms, C and C++ Programming, AI, Multivariable Calculus, Statistics, Object-Oriented Programming, Discrete Mathematics, Microeconomics, Macroeconomics, Econometrics

WORK EXPERIENCE

Northwestern University   **Evanston, IL**
Machine Learning & Data Science Minor Intern   October 2024 - Present
- Coordinate logistics for the 200+ students in the minor, managing a $160,000 shadow budget and hosting social events
- Answer student questions and create biweekly newsletters about department changes, job opportunities, and the minor

Northwestern University Computer Science Department   **Evanston, IL**
Undergraduate Teaching Assistant   January 2024 - Present
- Lead a 12-person discussion section, facilitating conversations about ethics topics in computer science such as bias
- Host one-on-one and group office hours to help students; provide constructive feedback on graded assignments
- Attend all course lectures and periodically assist the ~350 students by answering questions and clarifying material

Helios Healthcare Advisors   **Chicago, IL**
Analyst and Software Engineer Intern   June 2024 - August 2024
- Initiated the creation of a full-stack web application using Flask, React, Python, and JavaScript to help value properties
- Created a PostgreSQL database on Azure to manage the cleaned Medicare & Medicaid data accessed by the application
- Analyzed data and conducted due diligence to build accurate financial models for multi-million-dollar properties

LEADERSHIP & ACTIVITIES

Consulting Advising Student Enterprises   **Evanston, IL**
Student Consultant   January 2025 - March 2025
- Collaborated across 2 teams and PMs to create weekly deliverables for a client whose website helps students sublease
- Conducted surveys on 68 students to analyze NU-student sublease trends and estimate a $2M-$4M sublease volume
- Developed digital marketing strategies centered around Instagram to enhance client's digital presence and engagement

Women in Computing   **Evanston, IL**
Executive Board Programming Chair   February 2024 - Present
- Plan club programming events such as faculty brown bag lunch, career panels, and CS bootcamps for 150+ members
- Lead WiC Junior Board, a program where 12 underclassmen plan a WiC event, by facilitating meetings and events
- Coordinate events with other Northwestern technology organizations (SWE, SHPE) to help foster campus community

Institute for Student Business Education   **Evanston, IL**
Student Consultant   January 2024 - March 2024
- Performed market research for Amber Danielle Photography to expand and retain customer base; created strategies to increase social media presence, redesigned the website, and found potential physical spaces for the business
- Implemented client feedback throughout project, sharing findings in client-facing presentation and 14-page report

PROJECTS

Open Street Map Navigator   **May 2024 - May 2024**
- Constructed efficient algorithms in C++ to parse Evanston OpenStreetMap data and compute 200+ building locations
- Improved query run-time and reduced memory usage by optimizing the data structures used to store map data
- Utilized the CTA's bus tracker API to find nearby bus stops and predict bus arrival times at specific locations

nuPython Interpreter   **March 2024 - May 2024**
- Built a specialized execution environment in C to support a subset of the Python language (nuPython)
- Developed a recursive-descent parser to accurately analyze tokenized data and execute commands from the user

ADDITIONAL

Interests: Hip-hop and Contemporary Dance, Percussion, Crocheting, Formula 1, Hiking, Girls Who Code, GHC
Skills: Coding (Python, Racket, C, C++, Java, HTML, CSS, JavaScript, ReactJS), Spanish (Working Proficiency)