Amy Chen

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EDUCATION

Northwestern University, Evanston, IL   **Expected: June 2024**
Bachelor of Science: Computer Science and Journalism
Technical Skills/Tools: Python, C, C++, Java, Javascript, CSS, HTML, Figma
Relevant Classes: Data Structures and Algorithms, Human-Computer Interaction, Computer Systems, Programming Languages

PROFESSIONAL & PROJECT EXPERIENCE

Editorial Operations Intern, <u>CNN HEADQUARTERS</u> --- Atlanta, GA   **June 2022-August 2022**
■ Coordinated with "CNN Newsroom" show teams in editing, research, writing, and guest booking tasks
■ Produced daily shows viewed by 500,000+ nationwide by sourcing and stacking media elements, conducting research for segments, creating graphics for data visualization, monitoring the control room, and pitching story ideas

Tech Consultant, <u>DEVELOP + INNOVATE FOR SOCIAL CHANGE</u> --- Northwestern University, IL   **January 2022-June 2022**
■ Designed website prototype using MongoDB and JS with team of 6 to connect short-term workers with local business owners in partnership with startup created by Kellogg MBA students
■ Developed a candidate matching form and calendar scheduling feature using Javascript

Programmer, <u>MINESWEEPER</u> --- Northwestern University, IL   **December 2021**
■ Programmed the Minesweeper game from scratch using C++ and the ge:211 graphics library
■ Implemented game using best coding practices, abstraction, test-driven performance and enabled gameplay from user input

Program Participant, <u>COMPUTER SCIENCE SUMMER INSTITUTE: ONLINE</u> --- Virtual through Google Inc.   **July 2020**
■ Participated in a 4-week intensive computer science summer program and learned Javascript from Google engineers by creating 10+ interactive mini projects
■ Collaborated with two peers on a final project to construct a Covid-19 themed arcade-style webgame utilizing Javascript, HTML, and CSS, and delivered a presentation to classmates and Google engineers

RESEARCH EXPERIENCE

Research Assistant, <u>COMPUTER SCIENCE RESEARCH</u> --- Northwestern University, IL   **January 2022-August 2022**
■ Collected and analyzed data on historical terrorism actions of Lashkar-e-Taiba (LeT) to use for ML model training to predict future terrorist movements in collaboration with faculty members at Northwestern Univesity and University of Maryland
■ Gathered data by searching through newspapers, databases, and archives and read through articles to identify key terms to code into Excel sheets

Research Assistant, <u>SOCIAL POLICY RESEARCH</u> --- Northwestern University, IL   **June 2021-August 2021**
■ Collected and analyzed career trajectory data on 800+ graduate students to investigate the impact of STEM doctoral management on students' career outcomes
■ Coded and ran programs using Python to pull and sort 5000+ points of archival data

LEADERSHIP

Computer Science Teaching Assistant, <u>NORTHWESTERN CS DEPARTMENT</u>--- Evanton, IL   **January 2022-Present**
■ Peer mentored for CS 110, a course with 150+ students focused on programming fundamentals in Python
■ Led weekly lab sessions and office hours and assisted with adapting curriculum and grading assignments

Video Editor Assistant, <u>THE DAILY NORTHWESTERN</u> --- Northwestern University, IL   **March 2022-June 2022**
■ Produce biweekly videos by sourcing interviewees, writing scripts, filming B-roll, and editing videos with Premiere Pro
■ Provide feedback and assistance to reporters, coordinate with the editorial board, and oversee the Video Desk

HONORS

1ST PLACE PRIZE AT ODYSSEY HACKATHON   **December 2021**
■ Collaborated with a team of 5 to design an app prototype to modernize the connection between students and companies through short-form video content. Pitched app to a panel of judges, receiving overall 1st place prize and awarded $1000

GATES SCHOLARSHIP SCHOLAR   **May 2020**
■ Recipient of The Gates Scholarship, a last-dollar scholarship for outstanding, minority, high school seniors from low-income households. 1 of 300 scholars selected among 36,500+ applicants