

Nicole Y. Chen

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EDUCATION

Harvard University – Bachelors in Computer Science and Economics; Citation in Chinese - GPA: 3.94

May 2025

PROFESSIONAL EXPERIENCE

Snap Inc.

Software Engineer Intern

June 2023- Present

- Experimented with over 120 Generative AI models based on recent Stable Diffusion techniques, presenting findings to a cohort of 30 on the Content Understanding Team including the Vice President of Engineering
- Implemented A/B Testing Creator Throttling Study on the Discover feed to monitor sensitive content distribution
- Developing an API that would enable seamless integration of the best-performing Generative AI model into Snapchat's user-facing StoryStudio for Discover image-generation by creators using Go and Python
- Optimizing and re-training model for improved performance, assessing production environment before full deployment

Harvard John A. Paulson School of Engineering and Applied Sciences

CS51 Teaching Fellow

January 2022 - Present

- Taught CS51 with Professor Stuart Shieber on OCaml functional programming, abstraction, object-oriented coding, and design
- Planned and taught weekly sections of 15 students, led office hours, instructed biweekly labs, graded assignments, and provided input on course direction and evaluation

EBSCO Information Services

Product Strategy and Management Intern

June 2022 - September 2022

- Facilitated the development of a B2C product's roadmap with more than 600+ library customers and 5K monthly clicks
- Recommended full-scale integration of SaaS product features and estimated costs for the next 3 years to 40 executives
- Oversaw team of 3 to develop 5 prototypes of product recommendations on InVision, synthesized 6 usability tests to supplement prototype validity, determined user journeys through Amplitude, and charted Blue Ocean Strategy analysis for 5 competitors

Campus Insights

Head of UI/UX Research

September 2021 - August 2022

- Secured over \$140K in revenue within the first 6 months of promotion. Pioneered user recruitment with strategic market outreach, screener synthesis, and candidate evaluation for Google, Chegg, and VSCO

LEADERSHIP & ACTIVITIES

Harvard Product Lab

Director of Education

June 2023 - Present

- Redefined the Product educational curriculum for all members including supervising and sourcing 11 Product-related workshops and strengthening institutional relationships in Product at companies such as Figma, Notion, and Salesforce

Harvard Technology for Social Good

Product Manager at United States Department of Agriculture (USDA)

August 2022 – Present

- Led team of 5 to redesign USDA's NAMP application, working closely with executives to determine project roadmap and scope
- Presented prototypes to 30 executives including USDA's CIO leadership team for actionable implementation

Harvard College Consulting Group

Consulting Associate

January 2022 – December 2022

- Developed 28 supply chain models for client, the best optimizing demand-fulfillment by 9.1%, profit from fulfillment by 4.7%, and inventory by 35.6%. Done through analysis of internal sales and inventory data on Excel for 16 client distribution centers

TECHNICAL PROJECTS¹

Technologies - Java, Python, Go, OCaml, Swift, SQL, C, C++, Git, Google Cloud SDK, Bazel, InVision, Figma, Microsoft Office

Generative AI Image to Image Reconstruction

June 2023

- Developed a UI hosted on Streamlit, NGrok, and Google Cloud SDK's Virtual Machine processor to deploy 5 image generation models, chosen through experimental analysis of image segmentation, stable diffusion, and BLIP architectures

CIScraper

July 2022

- Developed a Python web extraction program using Selenium and BeautifulSoup to automate social media handle-based extraction via hashtagged post for age and geography-specific recruitment projects at Campus Insights

DTC Computer Science Camps

January 2022

- Founded a nonprofit instructing over 100 students in Java/Processing. Partnered with Microsoft to guarantee all free computers
- Developed a web platform for camp, featuring registration, members-specific resources, email integration, and updated blog posts. Built using Flask, SQLite, Python, HTML, CSS and hosted through Heroku Cloud Application software

¹ More projects showcased on my website <https://nchen55555.github.io/>