

Ethan Ngai

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EDUCATION

University of Colorado Boulder, Boulder, CO
Bachelor of Science: Information Science | **Minor:** Sociology

Expected Graduation Date: May 2026

Relevant Coursework: Computational Reasoning 1 & 2, Statistics for Information Science, Quantitative Reasoning, Information Ecosystems, Information Exposition, Intercultural and Interpersonal Communication, Creative Technology and Design

Personal Summary

Information scientist with a background in data analysis, statistics, programming, and team interaction. Looking to merge humanities studies with data examination, through skills in community-based design, intercultural communication, and sociology. Work well in teams and can form connections with others.

PROJECTS

Specialized Performance Watch, Designing Interactions, Boulder, CO **January 2020 – May 2020**

- Evaluated data from school athletes and coaches regarding technology preferences to improve athletic performance and evaluated feedback for 2 teammates to design a concept product within 2 weeks
- Researched popular sports electronic apparel within previous 2 years to understand trends for a concept product
- Created a prototype to measure specialized performance statistics in real-time to the user

United States and COVID-19 vs the World, Computational Reasoning 2, Boulder, CO

June 2024 – July 2024

- Managed a project to reveal the consequences of the United States' response to COVID-19
- Created in Python, cleaned and sorted data with Pandas & graphed with matplotlib
- Analyzed the US acquired over 100 million infection cases, while all other countries had less than 50 million
- Theorized plans of action for the United States when the next pandemic arrives to reduce infection and subsequent deaths

Health Self-Improvement, Personal Health Informatics, Boulder, CO

September 2024 - December 2024

- Tracked daily nutrition during times of stress in Excel and Power BI
- Measured 2x increase in fat, sugar, and sodium compared to when not stressed through histograms
- Rearranged personal schedule to weaken habits that lead to excessive calorie intake, promoting better health

WORK EXPERIENCE

Barista

January 2022 – November 2022

Starbucks Coffee Inc., Superior, CO

- Teamwork + multitasking in a fast-paced environment, trained new co-workers, and accommodated customer requests
- Task prioritization, product recommendation, verbal communication

SKILLS

Technical: Programming, Data Analysis, Photo Editing, Graphic Design

Programs: Python (Pandas, API, Beautiful Soup, Sklearn, MatPlotLib, Altair), SQL, HTML, Microsoft 365 (Excel, Power BI, Powerpoint, Word), Adobe Creative Cloud (Photoshop, Illustrator, Premiere Pro)