MALCOLM MCCORMICK

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EDUCATION

University of Chicago *Expected*, June 2026
Bachelor of Arts in Economics, specialization in data science
Relevant Coursework: Introduction to Computer Science I & II (Python), Econometrics, Elements of Economic Analysis I, II & III, Linear Algebra; *Autumn 2024*: Systems Programming I (C), Mathematical Foundations of Machine Learning
Cumulative GPA: 3.85

EXPERIENCE

University of Chicago Booth School of Business June 2024 - present
Summer Research Assistant *Chicago, IL*

- Coded a Python script to scrape the Horatio Alger entrepreneurship awards website and merge the data with an aircraft owner dataset using Pandas, successfully identifying 70 private jet owners who received the award
- Built out an algorithm in Python to extract departure and arrival coordinates from ADS-B global flight data and construct a dataset of flight paths for 20,000 private planes.
- Developed a script to determine the percentages of departures and arrivals in coastal vs non-coastal US states using Python and modules such as geopy

SOSV June 2023 - August 2023
Analyst Intern *Remote/New York, NY*

- Efficiently scouted early-stage hard tech startups in the power, energy, critical minerals, and batteries industries to support $1.6 billion AUM deep-tech portfolio
- Successfully built analytical tools such as comprehensive market sizing to evaluate startup fit for the firm as well as financial modeling for follow-on investments (Series B, Series C, growth)
- Individually produced a 15 page bio-manufacturing investment thesis for the Chief Science Officer that focused on analyzing the development of the protein industry and key cost drivers of bio-manufactured protein products

Becker Friedman Institute for Economics February 2023 - December 2023
Research Assistant, Voltage Research Program *Chicago, IL*

- Assisted Professor John List in researching the multiple hypothesis testing (MHT) problem in the field of experimental economics
- Completed training in Stata and R by analyzing extensive datasets using various commands and running linear regressions to produce final reports in LaTeX
- Conducted 10 literature reviews by categorizing economic research papers by experiment type (natural, artefactual, framed)

PROJECTS

Currency Arbitrage *Python*

- Developed a program that detects currency arbitrage opportunities given a set of global exchange rates
- Adapted the Bellman-Ford algorithm to a weighted, directed multigraph of exchange rates to detect negative cycles
- Used the ExchangeRate-API to collect real time data on exchange rates

Blokus Game *Python, PyGame*

- Designed and implemented the classic board game "Blokus" in Python using Git and GitHub collaboratively
- Implemented multiple versions of an automated game-playing bot by researching algorithms/strategies and translating them to code while employing Blokus-specific heuristics

ACTIVITIES / ORGANIZATIONS

NCAA DIII Varsity Cross Country / Track & Field

- Cross Country (Fall), Indoor Track (Winter), Outdoor Track (Spring)
- Devote an average of 25 hours per week to training and competitions
- UAA All-Academic Honors (Fall 2023, Winter 2024)
- UAA Conference roster for 2023 (1500m) and 2024 (4x800m, 1500m) seasons

SKILLS

Computer: Python, Git, GitHub, R, LaTeX, PowerPoint, Word
Certifications: Connecticut Seal of Biliteracy in Spanish

INTERESTS

Social/political history, tale of the *HMS Wager*, competitive running, tennis