

ANDREW MCCARTHY

(818) 318-9064 | a.g.mccarthy@wustl.edu | St. Louis, MO / Los Angeles, CA

<https://andrewmccarthy.dev> | <https://www.linkedin.com/in/andrew-mccarthy5> | <https://github.com/andrewmccarthywustl>

EDUCATION

WashU, Olin Business School and McKelvey School of Engineering | St. Louis, MO

May 2026

Bachelor of Science

Double Major in Finance and Computer Science + Mathematics

- GPA: 3.77
- Relevant Coursework: Introduction to Machine Learning Theory | Linear Algebra | Financial Mathematics | AI and Society | Logic and Discrete Mathematics | Data Structures and Algorithms | Probability and Statistics for Engineering

London School of Economics and Political Science | London, UK

June 2024 – July 2024

Summer School Program

- Coursework: Applications of Machine Learning | Fixed Income Securities, Debt Markets and the Macro Economy

EXPERIENCE

DoubleLine Capital | Los Angeles, California

June 2025 – August 2025

Credit Risk Analyst Summer Intern

- Analyzed performance of investment strategies within \$94 billion portfolio using Python, Bloomberg Terminal, and Excel to evaluate risk-adjusted returns and dispersion
- Developed automated web scraper and user interface to extract collateral data for 500+ commercial mortgage-backed securities, reducing data collection time for traders and analysts from minutes per security to seconds for bulk retrieval across entire CMBS portfolio
- Collaborated with portfolio managers on data center asset-backed securities research, providing market insights and contributing analytical content for webcast announcing new ABS ETF launch

Variant Equity | Los Angeles, California

May 2024 – June 2024

M&A Summer Intern

- Conducted in-depth research and financial analysis on target firms, contributing comprehensive reports that informed investment decisions and strategy development
- Accompanied the team to a management presentation, preparing insightful questions that enhanced the depth of discussion and ensured comprehensive due diligence during the investment evaluation

TECHNICAL SKILLS

- Python, SQL, Machine Learning, Web Scraping, Excel, Bloomberg, Financial Modeling, Word, PowerPoint, C, Rust, Swift, TypeScript, React, CSS, Git, Zsh, PowerShell

PROJECTS AND EXTRACURRICULARS

AI Tooling Projects | Python | MCP | Context Engineering | System Design

April 2025 – Present

- Create automated context pipeline that provides LLMs selective access to personal data and project notes, enabling targeted recommendations and project guidance based on relevant context
- Develop a suite of Model Context Protocol (MCP)-compatible tools for workflow automation, including intelligent task prioritization, automated website design iteration, slideshow creation, note querying, and a recommendation engine.

Chicago Quantitative Alliance Investment Challenge | St. Louis, MO

October 2024 – December 2024

CQA Investment Challenge Team Member

- Develop and implement mean reversion and trend following algorithms in Python, collaborating with 5-person team to conduct statistical analysis and backtest strategies for identifying market inefficiencies
- Manage \$2M long/short portfolio while maintaining strict position limits, dollar neutrality, and diversification compliance
- Advanced to semi-finals in national competition, of 40+ teams competing primarily against graduate-level teams

WashU Student Investment Fund (WUSIF) | St. Louis, MO

January 2024 – Present

Analyst

- Conduct fundamental research and financial modeling to evaluate equity investment opportunities for student-managed fund
- Present stock pitches and investment recommendations at bi-weekly fund meetings, informing portfolio allocation decisions

Washington University in St. Louis Club Lacrosse | St. Louis, MO

September 2023 – Present

Vice President

- Vice President for a 40+ member program, leading the season end-to-end, assist managing a \$50,000 budget, scheduling games, coordinating trips—and keeping the team in good standing with league and university requirements.
- Strengthened culture and accountability by setting standards and a clear communications cadence; worked with university staff and opposing programs to secure resources, finalize travel, and keep practices and game days running smoothly

Mentor St. Louis | St. Louis, MO

September 2024 – Present

Mentor

- Mentor 5-10 elementary school students weekly, providing academic tutoring and structured educational activities in underserved St. Louis community