

AARON MARGULIS

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EDUCATION

Washington University in St. Louis

St. Louis, MO

College of Arts and Sciences; Bachelor of Arts in Economics, Minor in Computer Science

August 2018 – May 2022

- Cumulative GPA: 3.90/4.00

- Dean's List (Fall 2018, 2019, 2020, Spring 2020)

Relevant Coursework:

- Topics in Financial Economics: Investments
- Introduction to Econometrics with Writing
- Behavioral Economics and Experimental Economics
- Principles of Financial Accounting
- Understanding the Financial Crisis
- Data Structures and Algorithms
- Game Theory
- Matrix Algebra

Israel Summer Business Academy

Tel Aviv, Israel

Study Abroad

June – July 2019

- Completed a six-week, six-credit immersive program based at IDC Herzliya in Tel Aviv, Israel, with a focus on innovation, entrepreneurship, and studying the Israeli startup eco-system through academic and co-curricular activities
- Engaged in Venture Creation coursework, resulting in taking a concept from ideation to minimum viable product

The Latin School of Chicago

Chicago, IL

High School Diploma

September 2014 – June 2018

WORK EXPERIENCE

Cognitive Capital, LLC

Chicago, IL

Summer Intern

May – August 2020 & 2021

- Wrote Python scripts and Ruby on Rails code to generate automated daily web reports relating to ETF dividends and international daylight savings hours to assist trade desk operators in handling ETF ex-dividend dates and foreign equities
- Analyzed firm trade data to determine the impact of different trade execution strategies on profit and loss
- Audited over 100 trading system parameters and wrote MySQL queries to consolidate overnight parameter adjustments
- Shadowed portfolio managers and trade desk operators during opening and closing market auctions

Washington University Student Tour Leaders

St. Louis, MO

Tour Guide

October 2019 – Present

- Led prospective Washington University students on campus tours providing them with information about the university, campus, undergraduate academics, extracurriculars, and my personal experience at Washington University

ACTIVITIES

Washington University Sports Analytics Club

St. Louis, MO

Vice President, Operations

September 2018 – Present

- Won the 2019 Society for American Baseball Research Case Competition competing amongst twenty student teams
 - Gathered data, ran statistical tests, and wrote Python simulation to determine wins added by implementing alternate pitching rotation strategies for all Major League Baseball teams in 2018 and presented findings in Phoenix, AZ
- Received anonymized revenue data from the St. Louis Cardinals and collected corresponding event and programming data to determine the impact of gameday promotions on revenue and presented findings to business analysts at Busch Stadium
- Conducted research comprised of constructing a theoretical framework and using machine learning algorithms in Python to study fourth-down play-calling and team performance in the National Football League over a nine-year period
- Organized speaker program featuring analysts from the New York Yankees, Atlanta Braves, Miami Heat, and more

Washington University Student Investment Fund

St. Louis, MO

Portfolio Manager, Technology, Media, & Telecommunications Sector

September 2018 – Present

- As Portfolio Manager, responsible for selecting stock, forming investment theses, making discounted cash flow model, and overseeing sector pitch team for semiannual stock pitch to investment board
- Proposed and voted on stock acquisitions and sales in fund containing over \$220,000 of the university's endowment

goalgrid

St. Louis, MO

Freelance

September 2019 – February 2020

- Co-created Python-based project that seeks to provide collegiate soccer coaches with professional-level predictive analytics

SKILLS AND INTERESTS

Additional Activities: Washington University Trading Club, Washington University Business of Sports Society, Sigma Chi Fraternity

Skills: Proficient in Python, Pandas (Python library), PostgreSQL, HTML, CSS, JavaScript, Java, Microsoft Office, Data Analysis

Interests: Chicago Sports Teams, Sports Analytics, Texas Hold 'Em