

Zachary Swartz

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EDUCATION

West Virginia University , Morgantown, WV	May 2024
Bachelor of Science in Business Administration	GPA: 3.81
Majors: Management Information Systems & Accounting	

TECHNICAL SKILLS

Proficient in Python, C#, SQL, Tableau

WORK EXPERIENCE

Ernst & Young , Pittsburgh, PA	May 2023- August 2023
Assurance Intern	

- Reviewed financial statements for Coherent Corporation and Coronado Global Resources Inc
- Documented audit procedures ensuring financial integrity through system testing
- Presented recommendations with PowerPoint to senior staff for internal control process improvement

West Virginia University , Morgantown, WV	February 2021- November 2022
Resident Assistant	

- Facilitated weekly team meetings to discuss resident issues and develop response plans
- Achieved a 100% retention rate among residents through community-events and conflict resolution
- Fostered safety and inclusivity for 37 residents through custom made educational programs
- Maintained confidentiality with sensitive information in compliance with Title IX regulations

ENTREPRENEURIAL ENDEAVORS

Algorithm Developer , Morgantown, WV	November 2020- Present
Quantitative Researcher	

- Generate hypotheses that exploit inefficiencies within financial markets
- Automate data extraction with python scripts using Pandas, Selenium, BeautifulSoup4, and RESTful API
- Substantiate hypothesis through multiyear data analysis and Montecarlo simulation
- Implement full-stack python project to run live trading algorithm and analyze performance

Joe 2 Go LLC , Morgantown, WV	September 2020- Present
Co-Founder	

- Won West Virginia's 2021 Business Plan Competition and invested \$2,000 to launch coffee company
- Developed proprietary whipped coffee recipe through extensive food testing
- Identifying market need for portable coffee among college students through campus surveying
- Vetting food chemists to outsource nutritional analysis and labeling

VOLUNTEER EXPERIENCE

West Virginia University , Morgantown, WV	October 2020- October 2022
Undergraduate Researcher	

- Collected data to research neurodegenerative effect of high fructose corn syrup
- Assisted four graduate and doctoral research students with technical writing
- Translated highly technical verbiage from research papers into everyday language
- Analyzed data and presented findings in weekly meetings with lab leader and members