

Declan Davis

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EDUCATION

Grainger College of Engineering - University of Illinois at Urbana-Champaign

Bachelor of Science in Engineering Physics with Minors in Mathematics and Statistics

- Aug 2020 - Dec 2024
- Major GPA: 3.60
- Relevant Coursework: PHYS 370, PHYS 403, PHYS 496, CS 357, MATH 482
- Organizations: Society of Physics Students, UIUC Econ Club, Knights of Columbus

Bachelor of Science in Econometrics and Quantitative Economics

- Aug 2020 - Dec 2024
- Major GPA: 3.72
- Relevant Coursework: ECON 460, ECON 472, ECON 474, ECON 475, STAT 385

WORK EXPERIENCE

Music Direct

Assistant to the President

- Jul 2017 - Aug 2024
- Led our crisis response efforts by analyzing return data and customer engagement metrics, while conducting competitive market research to produce data-driven reports for the president.
- Collaborated with a team to optimize the company's inventory control system by applying quantitative analysis. Developed a new inventory management model that enhanced delivery efficiency and minimized theft through predictive analytics.

ACTIVITIES

Hedge UIUC

Member & Contestant

- Competed with many other groups to design a portfolio for a client containing many different financial assets. Used mathematical models to construct the optimal portfolio.

SKILLS

Programming Languages: Python, Java, R, MATLAB, Simulink, Mathematica

Productivity: Microsoft Office, Google Workspace, LaTeX, Origin, RStudio

Other: Technical Writing, Public Speaking, Data Analytics, Problem Solving, Teamwork