

Andrew Hlavacek

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EDUCATION

Georgia Institute of Technology, College of Engineering

Atlanta, GA

GPA: 3.78/4.00, Candidate for Bachelor of Science in Industrial Engineering

Aug. 2023 – May 2027

- Scholarship: Zell Miller Scholarship Recipient

EXPERIENCE

Sports Performance Intelligence VIP (Vertically Integrated Projects)

Aug. 2024 - Current

Georgia Institute of Technology

Atlanta, GA

- Transforming the Georgia Tech baseball database to optimize lineup selection and game decision-making based on players WAR and dWAR ratings
- Developed an optimized positioning software for the Georgia Tech baseball team by analyzing databases and implementing machine learning techniques

Government Elections Poll Worker

Aug. 2022 – Feb 2023

Hall County Elections Office

Gainesville, GA

- Improved systems of operation to optimize performance and confidentiality of the voting process, which decreased voter time by 23 percent at the precinct

Seth Bonder Data Science Camp

June 2022 – July 2022

Georgia Institute of Technology

Atlanta, GA

- Completed an institute certified course on the intricacies of data science and programming in Snap! to solve Sudoku problems, guessing sentiment from Twitter posts, and diagnosing diseases from symptoms

INVOLVEMENTS AND LEADERSHIP

Data Science at Georgia Tech

Aug 2023 – Present

- Completed comprehensive Data Science boot camp to acquire foundational knowledge of data science and implement what I learned into application projects
- Implemented data analytics techniques to construct optimal men's basketball schedules in order to generate a successful season

Institute of Industrial and Systems Engineers

Aug. 2023 – May 2024

- Modeled and interpreted data sets through a Tableau workshop to demonstrate survivorship proportions of demographics on the titanic.

Chess Club Founder and President

Aug. 2021 – May 2023

- Founded and developed a high school chess club. Provided a cost-free outlet to practice and play chess as a result of planned and organize fundraising events
- Increased membership by 143 percent between two years to reach a total of 76 members, which was the largest in school history

RELEVANT COURSEWORK

CS 1332- Data Structures and Algorithms

Aug. 2024 - Dec. 2024

Georgia Institute of Technology

Atlanta, GA

- Computer data structures and algorithms in the context of object-oriented programming. Focus on software development towards applications.

ISYE 2027 - Probability with Applications

Aug. 2024 - Dec. 2024

Georgia Institute of Technology

Atlanta, GA

- Mastering topics including: conditional probability, density and distribution functions from engineering, expectation, conditional expectation, laws of large numbers, central limit theorem, and introduction to Poisson Processes.

TECHNICAL SKILLS

Programming Languages: Python, Java, Snap!

Languages: English-native, Spanish-fluent

Interests: Piano, Basketball, and Reading