


Jake Sanders

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Experience

Director of Baseball Analytics

Present

Mount St. Joseph University Athletics

- Wrote scripts in both Python and R to retrieve official NCAA play-by-play data of over 1,000 plays
- Created various applications in Tableau and RShiny for our players such as self-reports and opponent scouting reports
- Analyzed in-house metrics such as Pitching Runs, Verdict%, and others to evaluate pitcher efficiency

Intern

2022-2024

Prep Baseball Report

- Learned and worked with baseball technology such as Rapsodo, Trackman, SWIFT and Blast
- Created various social media content on X (Twitter), Instagram, and other platforms
- Travelled on-site to games and tournaments to evaluate players

Junior Developer

2023

Mount St. Joseph University

- Developed and deployed touch-based games for rehabilitation, enhancing patient engagement
- Worked with various libraries including OpenCV, Touchpoint, PyGame
- Gained valuable internship experience through coding, play-testing, debugging, and more

Education

Mount St. Joseph University

May 2025 (expected)

B.S. Computer Science; Web & Mobile App Development

GPA: 3.4 / 4.0

Awards: Dean's List (x3)

Involvement: Baseball Player (4 Years), [cITe Program](#), Student Worker, National Honor Society

Projects

Cicada Safari AI

2024

- Developed a Machine Learning image recognition model using to identify if a cicada is within an image
- Analyzed over 750,000 submitted images from over 250,000 users on the Cicada Safari app
- Helped generate over \$1,000,000 in revenue in 2024

Skills

Languages: Python, R, SQL, JavaScript, Java, HTML / CSS, C++, PHP

Frameworks: git, RMarkdown / Shiny, React.js, CodeIgniter

Analysis: pandas, numpy, Tensorflow, MLflow, Microsoft Office, Google Sheets

Visualization: matplotlib, plotly, ggplot, Tableau, Power BI