

# Jacob Silverman

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## EDUCATION

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### Vanderbilt University

*Bachelor of Science in Computer Science and Mathematics, Minor in Data Science*

- GPA: 3.87/4.0

**Nashville, TN**

*Expected May 2028*

### Roslyn High School

- GPA: 103.5/100 | ACT: 35 | Mock Trial President | Tri-M Honors Society | DECA Treasurer

**Roslyn, NY**

*Class of 2024*

## PROFESSIONAL EXPERIENCE

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### ESPN

*Incoming Programming Intern*

**Bristol, CT**

*June 2026 – August 2026*

### Vanderbilt Athletics

*Data Analytics Intern*

**Nashville, TN**

*April 2025 - Present*

- Built predictive baseball and football models using ridge, lasso, random forest, and xgboost algorithms
- Processed and analyzed 25,000+ row scouting datasets using Python and R workflows
- Developed attendance and revenue forecasting models to support ticketing and fan engagement strategy

### Data Science 1000 – How Data Shapes Our World

*Grader*

**Nashville, TN**

*August 2025 - Present*

- Evaluated technical assignments and coding-based coursework for 150+ students using standardized rubrics
- Assisted students in understanding data science concepts, debugging workflows, and analytical methods
- Collaborated closely with instructional staff to improve grading consistency and streamline course operations

### 8ctane Baseball

*Software Development Intern*

**Raleigh, NC**

*August 2025 – October 2025*

- Delivered biomechanics insights that guided adjustments for 200+ athletes across multiple development programs
- Automated reproducible coach-ready reports with correlations, profiles, and performance screens in under 30 seconds
- Built 50+ advanced visualizations in R and Python to expand analysis across biomechanics and performance metrics

### Ultimate Fighting Championship (UFC)

*Data Analytics Intern*

**Las Vegas, NV**

*June 2025 - August 2025*

- Analyzed 70,000+ rows of user behavior and engagement data to assess retention and churn for UFC Fight Pass
- Contributed to an 8-week project that directly informed the 2026 UFC Fight Pass content and engagement strategy
- Supported an internship program whose success led to its addition as a lasting part of research and development efforts

### Nassau & Suffolk County Courts

*Associate Intern*

**Central Islip, NY**

*Summer 2024 & Summer 2025*

- Assisted with legal and administrative tasks across civil and specialty courts while observing court proceedings
- Mentored by a Deputy Attorney in the County Attorney's office, gaining exposure to criminal and civil legal practices

## LEADERSHIP & EXTRACURRICULARS

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### Vanderbilt Sports Business and Analytics Club

*Co-President*

**Nashville, TN**

*August 2024 - Present*

- Create presentations and strategic meetings with Vanderbilt Athletics, offering detailed insights and recommendations
- Secured internship opportunities for 7 students by building partnerships with Athletics staff and industry professionals

### Vanderbilt Financial Modeling Club

*Member*

**Nashville, TN**

*January 2025 – Present*

- Developed financial models and valuation to explore scenarios in banking, consulting, and investment management
- Enhanced technical expertise through 10+ Excel-driven workshops and interactive studies on public comps and LBOs

### Vanderbilt TAMID

*Member*

**Nashville, TN**

*January 2025 - Present*

- Collaborate with others to analyze business cases and develop strategic recommendations aligned with client goals
- Conduct research on 15+ startups and emerging markets, assessing growth potential to support client decision-making

## MEMBERSHIPS AND INTERESTS

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**Languages & Libraries:** Python, R, Java, C++, SQL, HTML, CSS, Git, Excel, pandas, tidyverse, scikit-learn, Streamlit

**Awards:** SABR Diamond Dollars: 2<sup>nd</sup> Place and room winner, AP Scholar with Distinction, Saberseminar

**Interests:** Chicken Parmigiana Fanatic, Saul Goodman, Splitters, Corey Seager, Aubrey Graham, Journalism, Legos