

# TOMAS NELSON

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## EDUCATION

**Gustavus Adolphus College**, St. Peter, MN *Expected May 2026*  
Bachelor of Arts in Computer Science — Minor: Management  
GPA: 3.77 — Major GPA: 3.94  
*Dean's List (3x), Dean's Scholarship Award, Academic All-Conference (2024, 2025)*

## SKILLS

**Programming:** Python, JavaScript, Kotlin (Proficient); Java, C++, Haskell, R (Working Knowledge)  
**Data Tools:** Pandas, NumPy, Matplotlib, Seaborn, D3.js, Jupyter Notebook  
**Development:** GitHub, VS Code, Android Studio, RStudio, Streamlit, Google Colab

## TECHNICAL EXPERIENCE

**Head of Data and Analytics – Gustavus Baseball** *Jul 2023 – Present*

- Built a game-tracking and statistical visualization system, improving in-game decision making.
- Applied machine learning (random forest, linear regression, gradient boosting) to MLB Statcast data to identify performance indicators.
- Managed data collection and analysis with Trackman, Rapsodo, Blast Motion, and Pulse systems.

## Projects

- **Pump Patrol (Spring 2025):** Android Studio + Kotlin frontend, Firebase backend; fitness tracking app developed in a scrum team.
- **Personal Portfolio Website (Fall 2025):** Published personal website showcasing projects via GitHub Pages.
- **Webscraper (Summer 2025):** Python + Streamlit tool that parsed Baseball Servant data; provided feedback to 100+ athletes using Blast Motion swing data.

## LEADERSHIP & ATHLETICS

**Competitor – Gustavus Baseball (Captain '25)** *Aug 2022 – Present*

- Team captain demonstrating leadership, teamwork, and mentorship.
- Represented Gustavus Baseball at recruiting events such as “*Gusties Will Shine.*”
- Competed in collegiate summer leagues with Mankato Moondogs (2023–24) and Willmar Stingers (2025).

**Associate Director of Pitching / Lead Hitting Instructor – 507 Baseball Academy** *Sept 2023 – Present*

- Designed and coordinated a five-month training program for middle/high school athletes.
- Led camps in pitching, hitting, softball, and strength training.

**Special Education Paraprofessional – Roseville Area High School** *Jun – Aug 2022*

- Supported students with special education needs across academics, transportation, and physical activity.