

Derek Schober

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ABOUT

I'm a full-time Data Engineering student at Aurora University, with minors in Computer Science and Mathematics. As captain of the men's volleyball team, I've developed strong leadership, discipline, and teamwork skills. An ISAC State Scholar and recipient of the Presidential Award for Academic Excellence, I'm eager to apply my technical expertise in data analysis, database management, and programming to contribute as a Data Engineering Intern.

SKILLS

Technical Skills: Proficient with Microsoft Word, Python, Java, Excel, DataBricks, and SQL.

Soft Skills: Leadership, Teamwork, Work ethic, Communication, Problem Solving, Time Management, and Critical Thinking.

Important Coursework: Software testing and validation, Data Structures and Algorithms, Object Oriented Design, Data Analytics I and II, Web Application Development, Advanced Web application Development, Probability and Statistics I and II, Database Implementation and Design.

EDUCATION

Aurora University, Aurora, IL (2026 Grad)

GPA: 3.95 / 4.00

Bachelor of Science in Data Engineering – Minor in Mathematics and Computer Science

August 2022 - May 2026

WORK EXPERIENCE

Sports Metrix, Aurora, IL

May 2025 - August 2025

Data Science Intern

- Investigate reliable sports data sources and evaluate modern Python scraping tools (Scrapy, Playwright, Selenium) alongside anti-bot tactics like rotating proxies, stealth headless browsers, and randomized request pacing.
- Build an automated scraper that harvests detailed game data—box scores, play-by-play, odds, injuries—while logging errors and evading detection.
- Clean and normalize the feeds into analysis-ready tables (CSV, Parquet) that drop straight into statistical models and use of SQL.

Aurora University Academic Support, Aurora, IL

November 2023 – Present

Peer Tutor

- Guide peers through complex coursework, including College Algebra, Calculus I and II, Discrete Math, Intro to Programming, and Data Structures, emphasizing problem-solving and analytical thinking.
- Collaborate with students to develop effective study plans, fostering a deeper understanding of mathematical and programming.

Plainfield School District 202, Plainfield, IL

May 2024 – August 2024

Summer Technology Help

- Assisted PSD 202 Technical Department by conducting district wide inventory, reimagining company machines, and when requested, performed technology maintenance and repair

Carpentry Contractors of America, Naperville, IL

May 2023 – August 2023

Carpentry Apprentice

- Developed technical proficiency in carpentry under the guidance of seasoned professionals, showcasing adaptability and attention to detail.
- Maintained strict adherence to safety regulations, demonstrating a commitment to maintaining efficient and secure workflows.

Aurora University Admissions, Aurora, IL

December 2022 – May 2024

Spartan Ambassador

- Led engaging campus tours and utilized software tools to connect with prospective students, highlighting organizational and communication skills.
- Advocated for the university by building relationships with potential admits, demonstrating a proactive approach to teamwork and client interaction.

Riverside Management, Lockport, IL

June 2020- August 2022

Landscaping associate

- Performed manual tasks such as trimming, mowing, and mulching, developing a disciplined and methodical work ethic.
- Coordinated service schedules with clients, optimizing route efficiency and fostering strong customer relationships.

Leadership and Volunteer

Aurora University Men's Volleyball, Captain

August 2022- Present

- Inspire and mentor teammates, fostering a culture of commitment and success both on and off the court.
- Serve as a liaison between teammates and coaching staff, ensuring open communication and that all voices are valued and considered.
- Reinforce coaching strategies and goals to ensure the team remains focused and progresses in the right direction.
- Lead and actively participate in weekly leadership meetings to address team morale, identify challenges, and implement solutions for continuous improvement.

Aurora Area Interfaith Food Pantry, Volunteer

August 2022- Present

- Developed Public Service Announcement video utilizing Adobe Premiere and provided a welcoming and supportive experience for guests, efficiently guiding them through the food pantry to ensure a smooth and positive interaction.