

Spencer E. Anderson

Applied Data Science Student | Seeking a Data Science Internship

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Date of birth: 16.02.2000 | Nationality: American

Scan for portfolio

PROFILE

Applied Data Science student at Modul University Vienna with six years of professional experience analyzing multi-source data and presenting findings to senior decision-makers. Automated data fusion in Python, saving about 20 hours per week, and built network graphs from datasets of 1,000+ nodes. Leads teams of up to 10 under time pressure. Seeking an internship to apply Python, analysis, and communication skills to business problems.

PROFESSIONAL EXPERIENCE

09/2024 – 01/2025 Relocation to Vienna, Austria, and preparation for university studies

11/2022 – 09/2024

Data and Network Analyst

U.S. Department of Defense | Stuttgart, Germany

- Automated chart and network-graph generation in Python, fusing two or more data sources of varying formats into graphs of 1,000+ nodes and saving about 20 hours per week.
- Mapped key nodes and relationships in large multi-source datasets using network and link analysis, giving decision-makers a clear picture of complex systems.
- Redesigned graph visuals so senior audiences could read dense numeric data quickly.
- Supported 100+ users across 12 operations and 7 organizations by sharing data with 4 partner countries, and closed information gaps through 24 data requests to 6 U.S. agencies.
- Directed data collection priorities for 5 teams from 4 countries in a multinational exercise, and built tools that showed coverage and gaps.
- Secured $1.3M in equipment and $250K in software accounts, keeping analytic work running during a high-demand period.

10/2018 – 11/2022

Intelligence and Data Analyst

U.S. Department of Defense | Virginia, USA, and Sasebo, Japan

- Authored 150+ daily briefs and presented them to 120+ senior decision-makers, turning multi-source data into clear situational pictures.
- Fused multiple data streams, including 200+ hours of raw signal data, into single analytic pictures for senior leadership.
- Delivered 30 daily briefs and 20 situation reports during a multinational exercise, after selection from 10 peers for the assignment.
- Produced 27 trend analyses at the highest confidentiality level for senior decision-makers across several organizations.
- Led a team of 10 analysts and mentored 14 in total; trained 4 junior colleagues over 120 hours until all four qualified for independent duty.
- Took on a lead role for a team of four as a junior analyst, earning a special achievement award.
- Streamlined my analysis workflow and built a shared resource repository, saving up to 20 hours per week.

EDUCATION

02/2025 – present

B.Sc. Applied Data Science

Modul University Vienna | Graduation expected fall 2027

- Dean's List twice.
- Relevant coursework: Database Management (SQL, relational modeling, normal forms).

2023 – 2024

Network and Link Analysis Course

U.S. federal government training | Washington, D.C., USA

- Built and combined multi-source datasets into network graphs and ran link analysis on clustered connections.

PROJECTS

Ongoing

AI Chatbot Plugin for Moodle

Modul University, with faculty supervision

- Lead a team of 8, setting project direction and tracking tasks with the supervising professor. The plugin is now in a trial with a class of 80 students.

Ongoing

Survey Study on AI Usage and User Experience
Modul University, with faculty supervision

- Conducted a survey on AI usage and user experience with 150+ participants; the study is ongoing.

Award

Women in Data Science Hackathon
Modul University

- Placed 2nd on a 3-person team: stratified credit card and financial data for a bank and built a decision-tree model that classified customers into profiles.

Self-initiated

Start-up MVPs
Modul University incubation hub

- Built a draft Android app and a website demo to showcase two start-up ideas, while learning the frameworks for founding a company.

SKILLS

Data and Programming	Python (pandas, NumPy, scikit-learn, matplotlib, NetworkX), SQL, HTML, CSS, JavaScript
Tools and Systems	Jupyter, Git and GitHub, Linux administration, Docker (self-hosted stacks), Microsoft Office (advanced)
Methods	Data fusion, network and link analysis, data visualization, process automation, relational database design
Working Style	Team leadership, mentoring, briefing senior stakeholders, international collaboration, precision under pressure

LANGUAGES

English	Native
German	A2, actively improving, with courses planned for next semester

ADDITIONAL

Clearance	Held a high-level U.S. government security clearance, vetted for handling sensitive data
Awards	Three performance awards (2020, 2022, 2024); the highest is earned by fewer than 10% of personnel
Publications	Research papers published by a think tank for a broad audience