

# Ryan J. Sexton

Allentown, PA

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Portfolio: <https://ryansextton.github.io>

## EDUCATION

University of Delaware, Newark DE

May 2025

**Degree:** Bachelor of Science in Computer Science – Data Concentration

**Minor:** Statistical Data Analytics

**Overall GPA:** 3.4

**Relevant Coursework:** Machine Learning, Data Mining, Data Structures, Algorithms, Statistical Regression and Design, Statistical Research Methods, Statistical Programming, Software Engineering, Geographic Information Systems

## SKILLS

**Programming Languages:** Python, R, C, TypeScript, HTML, CSS

**Tools:** R Studio, Microsoft Excel, Power BI, SAS, Tableau, Jupyter, SQL, JMP, ArcGIS

## RELATED EXPERIENCE

University of Delaware, College of Engineering, Newark, DE

Fall 2024

*Project Manager, EECIS Account Management System Modernization | Python*

- Led team of senior computer science students to modernize a 10+ year-old EECIS account management system by rewriting a legacy codebase.
- Enhanced system efficiency, security, and maintainability through modernization with Python Flask, addressing outdated features and code vulnerabilities.
- Managed project timelines, task delegation, and version control with GitLab, ensuring successful project completion and client satisfaction.

**Personal Project, Ryan Sexton, Allentown, PA**

August 2024

*Personal Financial Dashboard | Excel, Power BI*

- Developed a Power BI dashboard to track and analyze personal finances, using Excel as the data source.
- Built visualizations to monitor income, expenses, and savings trends, enabling more informed financial decisions.
- Successfully reduced expenses and increased savings, gaining practical experience in data visualization and database management.

## OTHER EXPERIENCE

Boy Scouts of America, East Texas, PA

Nov 2020 – Dec 2021

*Project Leader, Eagle Service Project*

- Led a team of 20+ scouts in the planning and execution of a community service project, removing an outdated playground and constructing a new picnic area for a local church's preschool program.
- Managed project logistics, including budgeting, resource allocation, safety protocols, and coordinating volunteer schedules.
- Compiled and presented a comprehensive final report to the BSA local council, detailing the project's scope, outcomes, and impact.

## ACTIVITIES

Boy Scouts of America Troop 431, East Texas, PA

Aug 2014 – Pres.

*Eagle Scout, Assistant Senior Patrol Leader, Patrol Leader, and Scribe*

- Achieved the rank of Eagle Scout, demonstrating commitment, leadership, and community service.
- Selected as a Brotherhood Member in the Order of the Arrow, recognized for exceptional service and leadership.
- Developed leadership, project management, and outdoor survival skills, applicable to both personal and professional environments.

**Blue Hen Data Analytics Club, University of Delaware**

Sep 2024 – Pres.

*Analyst*

- Developed a comprehensive data analysis over a 3–4-month period, utilizing tools such as Python, R, Excel, Power BI, and Tableau.
- Gained hands-on experience in statistical methods, data cleaning, preprocessing, and modeling to apply real-world insights.
- Presented at the end of the semester, showcasing the team's ability to leverage data-driven decision-making.