

**Celia Morse**  
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## Profile

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Hard working and dedicated biostatistics and computer science student. Ability to prioritize, set goals and work efficiently. Empowers individuals and teams to work for the best. Proficient in choosing the best paths to take to reach goals. Love to learn and absorb information quickly. Inner drive to complete challenging tasks.

## Education

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Pursuing a Bachelor of Science in statistics through a biology track and computer science at Simmons University. Expected to graduate in 05/2025.

## Courses

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Business Analytics, Database Management, Regression, Linear Algebra, Machine Learning, Data Structures, Structure of Programming Languages, Probability, Multivariable Calculus, Statistical Theory, Programming in SAS

## Experience

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Office Support, Simmons University Financial Aid Office, Boston, MA(Sept. 2022-Present)

- Support the university financial aid office in organizing their scholarship database, emails, and voicemails in a timely manner
- Assist students with financial aid and registration questions and help them navigate through the university's websites
- Interact directly with colleagues and participate in projects designed to develop personal and professional skills

## Technical Skills

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- Software: Python, R, Excel, .NET, Java, SQL, MongoDB, Scala, HTML, JavaScript, SAS

## Projects

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- **.NET Note Taking App:** Developed a solo project using C# and Windows Forms in the .NET framework. Created a user-friendly note-taking app enabling note addition, editing, deletion, and persistent storage to a TXT file. Demonstrated C# and GUI development skills.
- **Healthcare Risk Prediction Model:** Utilized logistic regression to develop a Machine Learning model that enables rapid and precise patient risk assessment, particularly significant in the resource-limited COVID-19 era. Worked under the guidance of a Project Leader, performed exploratory data analysis, executed feature selection, and formulated a statistical model for predicting mortality risk. Proficient in R, generated code accompanied by visualizations such as histograms and box plots, acquiring valuable skills applicable to Data Science professionals.
- **Python Program:** Wrote a program in Python that helps a user keep track of important dates. This involved writing functions that ask for user input, validating the input, writing a list of dates to a file, reading the names and birthdays in from the file, etc.