

# BENJAMIN GINSBURG

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## EDUCATION

University of Denver, Denver, CO	Expected Graduation: March 2025
Bachelor of Science (B.S) in Computer Science	<b>Major GPA: 3.9</b>
Charles University, Prague, Czech Republic	August 2024 - December 2024
<b>Minors:</b> Mathematics, Business Information Analysis	
<b>Relevant Coursework:</b> Introduction to Programming Languages, Data Structures and Algorithms, Java, Software Engineering, Embedded Systems, Computer Systems in C and C++, Computer Organization, Human Computer Interactions, Human Centered Cyber Security, Python, Discrete Mathematics, Introduction to Advanced Probability	

## TECHNICAL SKILLS & CERTIFICATIONS

- **Certifications:** Microsoft Office 2019 (Word, Excel, and PowerPoint), Python Proficiency
- **Highly Skilled:** Java, R, R Studio, R packages
- **Proficient:** C/C++, Python, SQL, Docker, Microsoft Access, Visual Basic, GitHub, Microsoft Office, Selenium
- **Prior Experience:** Haskell, Tableau, Visio

## PROJECTS

R Project: "How does Travel Affect Baseball"	Spring 2024
<ul style="list-style-type: none"><li>• Analyzed the impact of travel distance on MLB game outcomes using web scraping, statistical modeling, and data visualization in R.</li></ul>	
SQL Database Creation	Winter 2024
<ul style="list-style-type: none"><li>• Designed and created a Database with Visio and wrote Queries to solve business questions using Access, Visio, and SQL.</li></ul>	
Madden Data Analysis Project:	Spring 2023
<ul style="list-style-type: none"><li>• Collaborated with peers to create a command-line application using NFL and Madden video game data to generate charts and graphs with Python, Pandas, and SQL.</li></ul>	
Huffman Tree Implementation:	Fall 2022
<ul style="list-style-type: none"><li>• Designed and implemented a Huffman Tree algorithm to efficiently compress and decompress files using C.</li></ul>	

## PROFESSIONAL EXPERIENCE

<b>University of Denver</b> , Denver, CO	June 2024 - August 2024
<i>Data Analytics Project</i>	
<ul style="list-style-type: none"><li>• Collaborated with professors to complete a project focused on web scraping and analyzing sports data.</li><li>• Developed an R package using Selenium and other web scraping tools to aggregate and analyze sports data.</li><li>• Successfully published the package on CRAN, making it accessible to everyone using R.</li></ul>	
<b>University of Denver</b> , Denver, CO	September 2023 - Current
<i>Grader for the Mathematics Department</i>	
<ul style="list-style-type: none"><li>• Conducted weekly sessions with the professor, review assignments and contributed to grading for a group of 30-40 students, ensuring academic standards are met and provided detailed feedback.</li></ul>	
<b>Hollywood Bowl</b> , Hollywood, CA	June 2021 - September 2023
<i>Senior Usher/Usher</i>	
<ul style="list-style-type: none"><li>• Led a team of 10-15 Ushers, responded to time sensitive, escalated radio calls, and provided hands-on assistance in troubleshooting situations.</li></ul>	

## LEADERSHIP

Beta Theta Pi, Denver, CO	
<i>Vice President of Internal Affairs</i>	January 2023 - June 2023
Vice President of House and Risk Management	August 2022 - June 2023