

BENJAMIN GINSBURG

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EDUCATION

University of Denver, Denver, CO	Cum Laude
Bachelor of Science (B.S.) in Computer Science	Major GPA: 3.9
Charles University, Prague, Czech Republic	August 2024 - December 2024
Minors: Mathematics, Business Information Analysis	
Relevant Coursework: Programming Languages, Data Structures and Algorithms, 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, Web Programming	

TECHNICAL SKILLS & CERTIFICATIONS

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- **Certifications:** Microsoft Office 2019, Python Proficiency, AWS Certified Cloud Practitioner
 - **Highly Skilled:** Java, R, R Studio, R packages, Python
 - **Proficient:** C/C++, SQL, Docker, Microsoft Access, Visual Basic, GitHub, Microsoft Office, Selenium, HTML, JavaScript, CSS
 - **Prior Experience:** Haskell, Tableau, Visio, Azure

PROJECTS

R Project: "How does Travel Affect Baseball"	Spring 2024
<ul style="list-style-type: none">• Determined that long-distance flights have minimal effect on MLB player performance by analyzing travel distance data scraped from the web and applying statistical modeling and data visualization in R.	
SQL Database Creation	Winter 2024
<ul style="list-style-type: none">• Created a mock ice cream store scenario to determine the optimal location for a new branch by designing key business questions, building a database schema in Visio, and writing queries in Access and SQL.	
Madden Data Analysis Project	Spring 2023
<ul style="list-style-type: none">• Collaborated with peers to develop a command-line application using Python and Pandas to generate charts and graphs, revealing that a player's suspension did not impact the outcome of the NFL season.	
Huffman Tree Implementation	Fall 2022
<ul style="list-style-type: none">• Designed and implemented a Huffman Tree algorithm to efficiently compress and decompress files using C.	

PROFESSIONAL EXPERIENCE

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

LEADERSHIP

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