University Address
322 Rowan Boulevard
Glassboro, NJ 08028

MICHAEL B. GREENBAUM

mgreenbaum1204w@gmail.com
(**201) 749 - 6715**

Home Address
7 Rambling Brook Road
Upper Saddle River, NJ 07458

EDUCATION

Rowan University, Glassboro, NJ **Anticipated May 2026**
Bachelor of Science in Computer Science
Minor in Mathematics, Honors Concentration, GPA 3.986/4.0

Awards: Rowan University Scholars Scholarship Awardee, President's Scholars of Excellence Fall 2022–Fall 2023, Dean's List Spring 2024

Relevant Coursework: Object-Oriented Programming, Data Structures and Algorithms, Design and Analysis of Algorithms, Calculus I - III, Discrete Structures, Linear Algebra, Foundations of Computer Science, Computer Organization, Computer Lab Techniques, Programming Languages, CS Research I & II, Public Speaking, Intro to Technical Writing.

EXPERIENCE

High-Performance Data Mining Lab, Rowan University, Glassboro, NJ **September 2023–Present**
Project Manager, "GPU Based Graph Mining"; Research Assistant
- Develop an advanced program that utilizes the GPU to accelerate the solving of an NP-Hard problem.
- Lead weekly meetings with my advisor and other students to discuss the project and routes forward.

Computer Science Department, Rowan University, Glassboro, NJ **January 2023–Present**
Tutor, Computer Science and Mathematics
- Provide individualized guidance to students by helping them understand key theoretical concepts.
- Walk students through their homework while asking questions to reveal the logic behind the answer.
- Supervise a walk-in tutoring room and assist numerous students with various courses simultaneously.

Computer Science Department, Rowan University, Glassboro, NJ **January 2023–Present**
Learning Assistant, Object-Oriented Programming
- Support the professor by providing assistance to students during the programming lab.
- Mentor students to help them reach their academic goals by sharing my extensive experience.

College of Science and Mathematics, Rowan University, Glassboro, NJ **May–July 2023 & 2024**
Summer Undergraduate Research Program
- Performed intensive research over 10 weeks, where I accelerated a clique enumeration algorithm by orders of magnitude. This was accomplished by efficiently utilizing the massive parallel computing power of the GPU.
- Attended numerous career-building and social development meetings to develop workplace skills.
- Delivered a presentation at the program's culmination to summarize the advancements and findings.

RESEARCH

Michael Greenbaum *et al.*, "Accelerating maximal quasi-clique mining using GPUs", *paper in preparation*.
Michael Greenbaum *et al.*, "Accelerating maximal quasi-clique mining using GPUs", *poster to be presented at SURP Research Symposium 2024*, (2024)
Michael Greenbaum *et al.*, "Accelerating maximal quasi-clique mining using the GPU", *poster presented at CSM Student Research Day*, (2023)
External Reviewer under Guimu Guo, *The 26th Pacific-Asian Conference on Knowledge Discovery and Data Mining*, (2023)

ACTIVITIES

Association for Computer Machines, Member from September 2022–Present
Cybersecurity Club, Member from September 2022–Present
LeetCode, Global Rank: 1,352,964 (Top 24%), Contest Rank: 135,631 (Top 25%)

TECHNICAL SKILLS

Programming Languages: Java, C/C++, CUDA C++, Shell Scripting
OS and Environments: Windows 10, Linux/Unix

Academic Transcript

916405207 Michael B. Greenbaum
05/15/2024 10:36 am

This is not an official transcript. Courses which are in progress may also be included on this transcript.

Institution Credit Transcript Totals Courses in Progress

Transcript Data

STUDENT INFORMATION

Name : Michael B. Greenbaum
Birth Date: 12/04/2003

Curriculum Information

Program
Bachelor of Science
College: College of Sci & Math
Major and Department: Computer Science, Computer Science
Major Concentration: Honors Studies
Minor: Mathematics

***Transcript type:ADVS is NOT Official ***

INSTITUTION CREDIT -Top-

Term: Fall 2022
College: College of Sci & Math
Major: Computer Science
Academic Standing: Good Standing (UG)
Additional Standing: President's List

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End Dates	R	CEU Contact Hours
COMP	01111	Main	UG	COLLEGE COMPOSITION I	A	3.000	12.00			
CS	00100	Online	UG	COMP SCI LEARNING COMMUNITY-RS	A	1.000	4.00			
CS	01395	Main	UG	TOPICS IN CS: CS RESEARCH I	A	1.000	4.00		I	
CS	04113	Main	UG	INTRO OBJ-ORIENT PRGRMMNG	A	4.000	16.00			
MATH	01130	Main	UG	CALCULUS I	A	4.000	16.00			
MATH	03160	Main	UG	DISCRETE STRUCTURES	A	3.000	12.00			

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	16.000	16.000	16.000	16.000	64.00	4.000
Cumulative:	16.000	16.000	16.000	16.000	64.00	4.000

Unofficial Transcript

Term: Spring 2023
College: College of Sci & Math
Major: Computer Science
Academic Standing: Good Standing (UG)
Additional Standing: President's List

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End Dates	R	CEU Contact Hours
COMP	01112	Main	UG	HONORS COLLEGE COMP II-RS	A	3.000	12.00			

CS	01395	Main	UG	TPCS IN CS: CS RESRCH II	A	3.000	12.00	I
CS	04114	Main	UG	HONORS OBJ-ORNT PRGM/DATA ABST	A	3.000	12.00	
CS	07210	Main	UG	HONORS FOUNDATIONS COMP SCI	A	3.000	12.00	
HONR	05101	Main	UG	HONORS: PARTICIPATION	S	0.000	0.00	I
MATH	01131	Main	UG	CALCULUS II	A	4.000	16.00	

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	16.000	16.000	16.000	16.000	64.00	4.000
Cumulative:	32.000	32.000	32.000	32.000	128.00	4.000

Unofficial Transcript

Term: Summer 2023

College: College of Sci & Math
Major: Computer Science
Academic Standing:

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End Dates	R	CEU Contact Hours
HONR	05317	Main	UG	HONORS ALT COURSE EXPERIENCE	S	0.000	0.00			

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	0.000	0.000	0.000	0.000	0.00	0.000
Cumulative:	32.000	32.000	32.000	32.000	128.00	4.000

Unofficial Transcript

Term: Fall 2023

College: College of Sci & Math
Major: Computer Science
Academic Standing: Good Standing (UG)
Additional Standing: President's List

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End Dates	R	CEU Contact Hours
CMS	04205	Main	UG	HONORS PUBLIC SPEAKING	A	3.000	12.00			
CS	01205	Main	UG	COMPUTER LAB TECHNQ	A	3.000	12.00			
CS	04222	Main	UG	HONORS DATA STRUCT/ALGORIM	A	4.000	16.00			
CS	06205	Main	UG	COMPUTER ORGANIZATION	A	3.000	12.00			
HONR	05101	Main	UG	HONORS: PARTICIPATION	S	0.000	0.00		I	
MATH	01230	Main	UG	CALCULUS III	A	4.000	16.00			

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	17.000	17.000	17.000	17.000	68.00	4.000
Cumulative:	49.000	49.000	49.000	49.000	196.00	4.000

Unofficial Transcript

Term: Spring 2024

College: College of Sci & Math
Major: Computer Science
Academic Standing:
Additional Standing: Dean's List

Subject	Course	Campus	Level	Title	Grade	Credit Hours	Quality Points	Start and End Dates	R	CEU Contact Hours
ART	02220	Main	UG	INTRODUCTION TO PAINTING	A-	3.000	11.10			
CS	04315	Main	UG	PROGRAMMING LANGUAGES	A	3.000	12.00			
CS	07340	Main	UG	DES-ANLYS ALGORITHMS	A	3.000	12.00			
HONR	05101	Main	UG	HONORS: PARTICIPATION	S	0.000	0.00		I	
MATH	01210	Main	UG	LINEAR ALGEBRA	A	3.000	12.00			
WA	01302	Main	UG	INTRO TO TECHNICAL WRITING-WI	A	3.000	12.00			

Term Totals (Undergraduate)

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Current Term:	15.000	15.000	15.000	15.000	59.10	3.940
Cumulative:	64.000	64.000	64.000	64.000	255.10	3.986

Unofficial Transcript

TRANSCRIPT TOTALS (UNDERGRADUATE) -Top-

	Attempt Hours	Passed Hours	Earned Hours	GPA Hours	Quality Points	GPA
Total Institution:	64.000	64.000	64.000	64.000	255.10	3.986
Total Transfer:	0.000	0.000	0.000	0.000	0.00	0.000
Overall:	64.000	64.000	64.000	64.000	255.10	3.986

Unofficial Transcript

COURSES IN PROGRESS -Top-

Term: Fall 2024

College: College of Sci & Math
Major: Computer Science

Subject	Course	Campus	Level	Title	Credit Hours	Start and End Dates
CS	03351	Main	UG	Cyber Security: Fundamentals, Principles and Applications	3.000	
CS	04321	Main	UG	Software Engineering I	4.000	
ENGL	02116	Main	UG	HONORS INTRO GLBL LITS IN ENGL	3.000	
HONR	05101	Main	UG	Honors: Participation	0.000	
INTR	01265	Main	UG	Computers and Society	3.000	
STAT	02360	Main	UG	Probability and Random Variables	3.000	

Unofficial Transcript