The Graduate Center, City University of New York
Application for Graduate Admission

AY ID 5187467
Program Data Analysis and Visualization - MS
Entry Term Fall 2025

THE GRADUATE CENTER
CITY UNIVERSITY OF NEW YORK

Personal Information

Prefix
First Name Jelani
Last Name White
Suffix
Preferred First Name
Preferred Last Name
Previous First Name
Previous Middle Name
Previous Last Name
Previous Suffix
Gender Male
Date of Birth 04/04/2000
Ethnicity Not Hispanic or Latino
Race Black or African American
Veteran Status N

AY ID 5187467
Date of Submission
Program Data Analysis and Visualization - MS
Specialization
Instrument

054-90-3835
Country of Birth United States Of America
Citizenship US Citizen
Visa
First Generation N
Visa Current Status

Contact Information

Permanent Address

Street Address 120 Debs Place Bronx
City The Bronx
State New York Zip/Postal Code 10475
Country United States Of America
Length of Residency 24 yrs

Telephone 1 6465895403
Email jw3513@nyu.edu

Mailing Address

Street Address 120 Debs Place Bronx
City The Bronx
State New York Zip/Postal Code 10475
Country United States Of America
Valid Until

Employer Information

Employer Name
Address
Telephone

Emergency Contact

Name Acinette Nelson
Relation Mother
Telephone 19173748580
Address 120 Debs Place

Admissions Information

Did you attend a CUNY Senior College? _____

Faculty Preference _____

Also applied to:

1. _____
2. _____
3. _____

How did you hear about us?

1. Grad Center website from an Online search (e.g. Google)
2. Grad Center website from an Online search (e.g. Google)

Academic Information

Program Data Analysis and Visualization - MS **Instrument**

Specialization

Faculty Preference

Language Skills

English Proficiency — Reading Excellent — Speaking Excellent
Other Language 1 — Reading — Speaking
Other Language 2 — Reading — Speaking
Other Language eval

GRE **GMAT** **TOEFL**

Prior Colleges

Prior College 1 Name New York University — Attended from 09/01/2018 to 06/15/2023
Degree Bachelor of Science — Received on 06/15/2023
Degree 2 — Received on
GPA — Transcript Received? Y on

Prior College 2 Name — Attended from to
Degree — Received on
Degree 2 — Received on
GPA — Transcript Received? on

Prior College 3 Name — Attended from to
Degree — Received on
Degree 2 — Received on
GPA — Transcript Received? on

Prior College 4 Name — Attended from to
Degree — Received on
Degree 2 — Received on
GPA — Transcript Received? on

Prior College 5 Name — Attended from to
Degree — Received on
Degree 2 — Received on
GPA — Transcript Received? on

Academic Information con't

Prior Colleges con't

Prior College 6 Name _____ Attended from _____ to _____
Degree _____ Received on _____
Degree 2 _____ Received on _____
GPA _____ Transcript Received? _____ on _____

Prior College 7 Name _____ Attended from _____ to _____
Degree _____ Received on _____
Degree 2 _____ Received on _____
GPA _____ Transcript Received? _____ on _____

Prior College 8 Name _____ Attended from _____ to _____
Degree _____ Received on _____
Degree 2 _____ Received on _____
GPA _____ Transcript Received? _____ on _____

Prior College 9 Name _____ Attended from _____ to _____
Degree _____ Received on _____
Degree 2 _____ Received on _____
GPA _____ Transcript Received? _____ on _____

Other Information

Applicant Statement
Writing Samples
Resume
Recommendations
Music Sample

Links to articles or videos pertinent to application:

College_transcript

Name:	**Jelani White**
Birthdate (MM/DD):	**04/04**
Print Date:	**02/14/2025**
Student ID:	**N13274576**
Institution ID:	**002785**
Page:	**1 of 3**

NEW YORK UNIVERSITY

OFFICE OF THE REGISTRAR
FICE School Code: 002785

Send To: JELANI WHITE

New York University
Beginning of Undergraduate Record

Degrees Awarded

Bachelor of Science 05/17/2023
Tandon School of Engineering
Cum GPA: 2.532
Major: Integrated Design and Media

Summer 2018

Tandon School of Engineering
Bachelor of Science
Major: Civil Engineering

Pre-Freshman Pre-Calculus	HEOP-UE 610	0.0	C+
Pre-Freshmen Colloquium	HEOP-UE 624	0.0	P
Pre-Freshman Writing for Engineering	HEOP-UE 687	0.0	B
Pre-Freshman Physics for Engineers	HEOP-UE 695	0.0	A
Pre-Freshman Matlab for Engineers	HEOP-UE 696	0.0	B+

	AHRS	EHRS	QHRS	QPTS	GPA
Current	0.0	0.0	0.0	0.000	0.000
Cumulative	0.0	0.0	0.0	0.000	0.000

Fall 2018

Tandon School of Engineering
Bachelor of Science
Major: Civil Engineering

Introduction to Civil Engineering	CE-UY 1002	2.0	F
General Chemistry for Engineers	CM-UY 1004	4.0	D
Engineering Problem Solving and Programming	CS-UY 1133	3.0	B-
Writing The Essay:	EXPOS-UA 1	4.0	C
Freshman Colloquium	HEOP-UE 607	0.0	P
Writing Intensives Non-Credit course (NCC)	HEOP-UE 652	0.0	P
Algebra Calc Non-Credit Course (NCC)	HEOP-UE 661	0.0	P
Precalculus for Engineers	MA-UY 914	4.0	C

	AHRS	EHRS	QHRS	QPTS	GPA
Current	17.0	15.0	17.0	28.001	1.647
Cumulative	17.0	15.0	17.0	28.001	1.647

Spring 2019

Tandon School of Engineering
Bachelor of Science
Major: Integrated Digital Media

INTRO TO PROGRAMMING & PROBLEM SOLVING	CS-UY 1114	4.0	C-
User Experience Design (UX)	DM-UY 2213	3.0	A-
Engineering and Technology Forum	EG-UY 1001	1.0	D+
THE ADVANCED COLLEGE ESSAY	EXPOS-UA 2	4.0	B-
Freshman Colloquium	HEOP-UE 607	0.0	P
MOTION AND SOUND	PH-UY 1213	3.0	B-

	AHRS	EHRS	QHRS	QPTS	GPA
Current	15.0	15.0	15.0	37.671	2.511
Cumulative	32.0	30.0	32.0	65.672	2.052

Fall 2019

Tandon School of Engineering
Bachelor of Science
Major: Integrated Digital Media

Creative Coding	DM-UY 1133	3.0	B+
Ideation & Prototyping	DM-UY 1143	3.0	A-
Special Topics in English Literature RACE AND IDENTITY IN AMERICAN COMICS AND LITERATUR	EN-UY 3164W	4.0	B+
Basic Practice of Statistics for Social Science	MA-UY 2414	4.0	B+

	AHRS	EHRS	QHRS	QPTS	GPA
Current	14.0	14.0	14.0	47.664	3.405
Cumulative	46.0	44.0	46.0	113.336	2.464

Spring 2020

Tandon School of Engineering
Bachelor of Science
Major: Integrated Digital Media

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In Spring 2020, the COVID-19 pandemic required significant changes to University operations, as all classes were transitioned to remote instruction. Unusual enrollment patterns and grades during this period reflect these disruptions, not necessarily the work of individual students.
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Audio Foundation Studio	DM-UY 1113	3.0	A
Still and Moving Images	DM-UY 2263	3.0	P
Special Topics in Digital Media CONSTRUCTION OF TRUTH	DM-UY 4913	3.0	A-
Special Topics in STS QUEER VALUES IN STS	STS-UY 3904	4.0	P
Special Topics in STS Digital ethnography	STS-UY 3904	4.0	P
Vertically Integrated Projects V. AUGMENTED LIBRARY	VIP-UY 300X	1.0	F

	AHRS	EHRS	QHRS	QPTS	GPA
Current	18.0	17.0	7.0	23.001	3.286
Cumulative	64.0	61.0	53.0	136.337	2.572

Term Honor: Dean's List for Academic Year

ACADEMIC TRANSCRIPT

RAISED SEAL NOT REQUIRED
This official university transcript is printed on secured paper and does not require a raised seal. An official signature is white and is imposed upon the institutional seal.

Elizabeth Kienle-Granzo
University Registrar
www.nyu.edu/registrar

College_transcript

Name: Jelani White
Birthdate (MM/DD): 04/04
Print Date: 02/14/2025
Student ID: N13274576
Institution ID: 002785
Page: 2 of 3

NEW YORK UNIVERSITY

OFFICE OF THE REGISTRAR
FICE School Code: 002785

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Fall 2020

Tandon School of Engineering
Bachelor of Science
Major: Integrated Design and Media

Visual Foundation Studio	DM-UY 1123	3.0	A-
Intro to Game Development	DM-UY 2153	3.0	A
Intro to Web Development	DM-UY 2193	3.0	B
Special Topics in Digital Media LIVE CODING	DM-UY 4913	3.0	C
ELECTRICITY AND LIGHT	PH-UY 1223	3.0	C-

	AHRS	EHRS	QHRS	QPTS	GPA
Current	15.0	15.0	15.0	43.002	2.867
Cumulative	79.0	76.0	68.0	179.339	2.637

Spring 2021

Tandon School of Engineering
Bachelor of Science
Major: Integrated Design and Media

Media in Game Design and Development	DM-UY 3153	3.0	B
Special Topics in Digital Media ADVANCED CREATIVE CODING	DM-UY 4913	3.0	B-
Special Topics in Digital Media REAL-TIME A/V	DM-UY 4913	3.0	B+
Special Topics in STS Race & Digital Platforms	STS-UY 3904W	4.0	W

	AHRS	EHRS	QHRS	QPTS	GPA
Current	13.0	9.0	9.0	27.000	3.000
Cumulative	92.0	85.0	77.0	206.339	2.680

Summer 2021

Tandon School of Engineering
Bachelor of Science
Major: Integrated Design and Media

Interactive Narrative	MD-UY 2314G	4.0	A-

	AHRS	EHRS	QHRS	QPTS	GPA
Current	4.0	4.0	4.0	14.668	3.667
Cumulative	96.0	89.0	81.0	221.007	2.728

Fall 2021

Tandon School of Engineering
Bachelor of Science
Major: Integrated Digital Media

NYU London

Seeing London's Architecture	ARTH-UA 9674	4.0	C
British Cinema	ICINE-UT 12	4.0	C-
Intro to Psychology	PSYCH-UA 9001	4.0	A-

	AHRS	EHRS	QHRS	QPTS	GPA
Current	12.0	12.0	12.0	29.336	2.445
Cumulative	108.0	101.0	93.0	250.343	2.692

Spring 2022

Tandon School of Engineering
Bachelor of Science
Major: Integrated Digital Media

SPECIAL TOPICS IN DIGITAL MEDIA REUSE, RETHINK, RESILIENCE	DM-GY 9103	3.0	B+
Professional Practices for Creatives	DM-UY 4173	3.0	C
Special Topics in Digital Media ADVANCE CREATIVE CODING - WEBGL	DM-UY 4913	3.0	W
History of Media & Comm	MCC-UE 3	4.0	F

	AHRS	EHRS	QHRS	QPTS	GPA
Current	13.0	6.0	10.0	15.999	1.600
Cumulative	121.0	107.0	103.0	266.342	2.586

Fall 2022

Tandon School of Engineering
Bachelor of Science
Major: Integrated Design and Media

UNDERGRADUATE INTERNSHIP I	CP-UY 2013	3.0	P
SPECIAL TOPICS IN DIGITAL MEDIA AI POETRY: FROM WORDS TO WORLDS	DM-GY 9103	3.0	B
Senior Project in Digital Media	DM-UY 4003	3.0	C
History of Media & Comm Repeated course	MCC-UE 3	4.0	W
Print, Typography and Form	MCC-UE 1508	4.0	W

	AHRS	EHRS	QHRS	QPTS	GPA
Current	17.0	9.0	6.0	15.000	2.500
Cumulative	138.0	116.0	109.0	281.342	2.581

Spring 2023

Tandon School of Engineering
Bachelor of Science
Major: Integrated Design and Media

UNDERGRADUATE INTERNSHIP II	CP-UY 2023	3.0	P
Special Topics in Integrated Design & Media APPLIED UX RESEARCH	DM-GY 9201	1.5	B-
Introduction to Media Studies	MCC-UE 1	4.0	C
Theory of the Digital	MCC-UE 1339	4.0	C-

	AHRS	EHRS	QHRS	QPTS	GPA
Current	12.5	12.5	9.5	18.668	1.965
Cumulative	150.5	128.5	118.5	300.010	2.532

ACADEMIC TRANSCRIPT

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Elizabeth Kienle-Granzo
University Registrar
www.nyu.edu/registrar

College_transcript

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Student ID:	**N13274576**
Institution ID:	**002785**
Page:	**3 of 3**

NEW YORK UNIVERSITY

OFFICE OF THE REGISTRAR

FICE School Code: 002785

End of Undergraduate Record

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ACADEMIC TRANSCRIPT

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Elizabeth Kienle-Granzo
University Registrar
www.nyu.edu/registrar

Jelani White

| (646) 589-5403 | jw3513@nyu.edu | https://jelaniwhite.squarespace.com/
|www.linkedin.com/in/jwhite44

EDUCATION

New York University Tandon School of Engineering Brooklyn, NY

Bachelor of Science in Integrated Digital Media

Relevant Coursework: User Experience Design | UX Research | Creative Coding (p5.js three.js, pixi.js, JavaScript, HTML, CSS) | Ideation & Prototyping |Web Development|Game Design| Live Coding | Physical Computing | Real-Time AV | Study Abroad in London (Architecture and Film) |MATLAB|Python|

WORK EXPERIENCE

Good Neighbors Community Outreach Agency
Bronx, NY
Project Manager and Website Manager
June 2023 - Present

- Spearheaded the redesign and redevelopment of multiple websites for the nonprofit agency and the annual community outreach event, Fun in the Son, utilizing Wix and WordPress platforms.
- Implemented engaging content strategies to enhance user engagement and interaction on the websites.
- Orchestrated the seamless outdoor layout of the annual festival, Fun in the Son, leveraging OnePlan software to optimize spatial arrangement, traffic flow, and vendor placements.

TAAK
Brooklyn, NY
Technology Intern
Sep 2022- June 2023

- Created & implemented a visually compelling logo & website design, presenting a strong brand identity for the company.
- Created Business process diagrams for the CEO

NYU Tandon School of Engineering
Brooklyn, NY
Media Services Assistant
Sep 2018 – Sep 2023

- Debugged and resolved technical problems with audio and visual systems such as Krestron and Kramer
- Provided clients with audio and visual technical support
- Provided equipment with weekly maintenance checks

Savvy Lab at New York University
New York, NY
Research Assistant
Sep 2020 - May 2021
● Collected Data watching participant videos and transcribed stuttering utterances ● Aided Head Researcher with MATLAB programs mapping brain activity to estimate the onset of stuttering

BITS LAB at New York University
New York, NY
Research Assistant
July 2020 -Aug 2020
● Collected Data using MATLAB getContours program to tag ultrasounds and track tongue shapes
● Data management for StaRt app server
  ○ File conversion and management using Python scripts

Gilbane Building Company
New York, NY
IT Intern
Jun 2017 – August 2017
● Solved employee's computer issues i.e monitor issues, cell phone issues, and overall software issues
● Assembled several workstations for employees

New Testament Temple Church of God
Bronx, NY
Audio Visual Coordinator
June 2014 - July 2018
● Responsible for the set-up of online streaming of two services weekly
● Responsible for creating the church announcement videos once per month on Youth Sunday

TreesNY
New York, NY
Intern
June 2016 - August 2016
● Planted, Watered, and Pruned Urban Street Trees
● Completed the task given in a structured, timely manner by collaborating with my team

SKILLS & ADDITIONAL INFORMATION

● **Coding Languages:** MATLAB, Python, HTML,CSS,JavaScript,p5.js,pixi.js,three.js
● **Design Software:** Photoshop, Adobe XD, Figma, Sketch
● **Productivity Software:** Excel, Google Suite, PowerPoint, Word
● **Interests:** User Experience, Animation, Soccer, Sustainability
● **Activities:** Mount Saint Michael Architecture Club, ACE Mentor Program Inc, New Testament Temple Acoustic Group and Choir, Varsity ShotPut, Varsity Lacrosse, Robotics Club, Photography Club

Jelani White
5187467

From the earliest stages of my academic and professional career, I have been fascinated by the intersection of technology, design, and data. With a Bachelor of Science in Integrated Digital Media from NYU Tandon School of Engineering, I developed a strong foundation in creative coding, UX research, and web design. However, my true passion lies in using data to tell compelling, impactful stories. This interest has led me to pursue a career in data visualization, where I can blend my technical skills with my design sensibilities to translate complex data into meaningful insights. The CUNY Graduate Center's M.S. Program in Data Analysis and Visualization stands out as the ideal place for me to refine my expertise, build upon my portfolio, and connect with a community of scholars and practitioners who share my enthusiasm for this evolving field.

Throughout my career, I have worked on projects that leverage data visualization to communicate social and economic disparities. My broadband accessibility project, for instance, categorizes communities as not served, underserved, or well-served based on broadband speeds while integrating socioeconomic factors such as income levels. This project illuminated the stark digital divide and reinforced my desire to create visual narratives that inform policy and drive social change. However, I recognize that my skills in interactivity, storytelling, and data integration have room for improvement. The M.S. Program in Data Analysis and Visualization will provide the academic rigor and technical resources to refine my approach, particularly through courses such as "Interactive Data Visualization" and "Data Storytelling."

Beyond coursework, I am drawn to the program's collaborative ecosystem, including GC Digital Initiatives. The emphasis on interdisciplinary research and digital humanities aligns with my goal of merging technology with social impact. I am particularly excited about opportunities to work with faculty such as Lev Manovich, whose work on cultural analytics and visualization of large-scale cultural data resonates with my own interest in analyzing media consumption patterns. Additionally, I am eager to collaborate with Ellie Frymire, whose expertise in interactive data visualization and innovative approaches to storytelling through data align with my own aspirations. The program's access to research labs and datasets will help me refine my ability to work with real-world data, ensuring that my visualizations are not only aesthetically engaging but also methodologically sound.

As an undergraduate researcher at NYU Tandon, I contributed to multiple research initiatives that deepened my analytical and technical expertise. At the Savvy Lab, I worked closely with researchers to collect and transcribe data on speech patterns in participants with speech disorders, aiding in the development of MATLAB programs that mapped brain activity to predict the onset of stuttering. My role strengthened my ability to extract insights from complex datasets while working with interdisciplinary teams. Additionally, my work at the BITS Lab involved using MATLAB and Python to tag ultrasound data, track tongue shapes, and manage data for the StaRt app server. My broadband visualization project built on these research

experiences, taking real-world data from BroadbandNow to create an interactive mapping tool that categorizes communities as unserved, underserved, or well-served. This project not only demonstrated the importance of data accuracy but also reinforced my commitment to designing tools that make complex datasets more accessible and actionable.

My research background, combined with my technical skills in coding, design, and UX research, will allow me to contribute meaningfully to the DAAV community. I am eager to collaborate with peers and faculty on innovative projects that push the boundaries of data storytelling and analysis. By leveraging my prior experience and learning from the program's rigorous coursework and research opportunities, I aim to refine my ability to design clear, engaging, and impactful visual narratives.

Ultimately, my decision to pursue graduate study in data analysis and visualization is rooted in a deep-seated belief that data has the power to drive change—but only if it is presented in a way that is accessible, engaging, and actionable. The CUNY Graduate Center offers an unparalleled environment for me to hone my craft, expand my technical abilities, and work alongside like-minded individuals who are passionate about shaping the future of data communication. I am eager to immerse myself in this dynamic community and contribute to the field in a meaningful way.

Jelani White
5187467

My research interests lie at the intersection of data visualization, social impact, and digital equity. Through my previous work analyzing broadband accessibility and the digital divide, I have developed a passion for using data to highlight disparities and advocate for change. During my time in the CUNY Graduate Center's M.S. Program in Data Analysis and Visualization, I aim to expand upon this work by developing advanced visualization techniques and exploring interactive storytelling methods that make complex data more accessible to policymakers, organizations, and the public.

One of the primary problems I intend to research is the challenge of effectively communicating digital inequities to diverse audiences. The digital divide remains a pressing issue, yet the available data often lacks clarity and accessibility. Current broadband coverage maps, for instance, frequently misrepresent availability, leading to misguided policy decisions and funding allocations. My goal is to develop a visualization framework that accurately represents broadband accessibility while integrating socioeconomic factors such as income, education, and racial demographics. By doing so, I hope to create tools that not only inform but also empower communities to advocate for equitable digital infrastructure.

To approach this problem, I will build upon my previous work with BroadbandNow data, refining methodologies for assessing internet accessibility across different regions. I will explore using geospatial analysis, machine learning, and real-time data integration to enhance interactivity and accuracy in visualizations. Additionally, I plan to investigate user-centered design principles to ensure that my research outputs are not only data-rich but also intuitive and actionable for non-technical audiences. Incorporating web-based interactive dashboards and dynamic mapping techniques will allow users to explore the data in a meaningful way.

My research will contribute to the broader field of data visualization by addressing the ethical considerations of data representation. Many visualizations unintentionally perpetuate biases or oversimplify complex issues. By collaborating with faculty members like Ellie Frymire, whose expertise in interactive storytelling aligns with my goals, I will develop visualization methods that are both transparent and impactful. Additionally, my work will interact with existing research on digital inequality, building upon studies that analyze the correlation between broadband access and economic mobility.

Beyond the academic realm, my research has significant social and cultural implications. A clearer understanding of the digital divide can directly influence infrastructure investments, educational initiatives, and policy decisions. By working with advocacy groups and community organizations, I will ensure that my visualizations serve as practical tools for change. My research will not only inform decision-makers but also empower marginalized communities by making data-driven advocacy more accessible.

Jelani White
5187467

My prior research experience at NYU Tandon has prepared me well for this endeavor. In the Savvy Lab, I analyzed speech disorder data, contributing to the development of MATLAB models that predicted stuttering onset. At the BITS Lab, I worked with ultrasound imaging data, using Python and MATLAB to track tongue movement patterns. These experiences refined my ability to handle large datasets and reinforced the importance of using visualization to uncover meaningful patterns. I will apply these technical skills in my graduate studies, leveraging computational techniques to create impactful, data-driven narratives.

Looking ahead to the completion of this program, I envision a capstone project that merges data visualization, interactive storytelling, and policy advocacy. This project could take the form of an interactive web platform that visualizes digital inequities across the U.S., providing policymakers and community leaders with an intuitive, evidence-based tool for decision-making. By the end of my studies, I hope to have developed a suite of methodologies and visualization techniques that can be applied beyond broadband accessibility, addressing other systemic inequities such as healthcare access, educational disparities, and environmental justice.

My research in data analysis and visualization is driven by a commitment to social impact. Data has the power to spark change, but only if it is communicated effectively. The CUNY Graduate Center's program provides the ideal environment for me to refine my skills, collaborate and learn from professors, and contribute to the field in a meaningful way. I look forward to the opportunity to further develop my research within this dynamic academic community and to use my work to make a tangible difference in the world.