

BRIANNA GILLFILLIAN
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EDUCATION:

Syracuse University (SU), College of Engineering and Computer Science (ECS), Syracuse, NY

PhD Student, May 2029

Major: Computer and Information Science and Engineering GPA: 4.0

Master of Science, May 2025

Major: Engineering Management Certificate: Project Management

Bachelor of Science, May 2024

Major: Computer Science Minor: Information Management and Technology

RELEVANT EXPERIENCE:

Student Affair Co-Ordinator, Upstate Medical University,

Academic Consultant, LSAMP (Louis Stokes Alliance for Minority Participation)

Syracuse University, Syracuse, NY

June 2024 – May 2025

- Advise and mentor underrepresented STEM students, connecting them with academic resources, research opportunities, and professional development support.
- Assist with programming to improve student retention and success, with a focus on underrepresented, first-generation, and low-income student engagement.
- Managed social media accounts and designed graphics programming activities.

Student Program Associate, Office of Student Living

Syracuse University, Syracuse, NY

August 2024 – May 2025

- Facilitated leadership development initiatives, guiding students through personal growth, campus involvement, and skill-building opportunities.
- Assisted students with Resident Advisor (RA) applications, providing mentorship on application materials, interview preparation, and leadership readiness.
- Conducted benchmarking research on peer institutions to evaluate and improve student engagement strategies and residential programming at Syracuse University.

Marketing Intern, Office of Alumni Engagement and Annual Giving,

Syracuse University, Syracuse, NY

August 2024 – May 2025

- **Developed and executed a multi-channel social media strategy** for the Office of Alumni Engagement, resulting in a increase alumni interaction and event attendance.

Academic Excellence Workshop Facilitator, Syracuse University, Syracuse, NY.

August 2021 – May 2024

- Facilitated weekly academic support sessions to enhance student performance in engineering and math courses.
- Promoted collaborative learning, critical thinking, and persistence in STEM through structured peer-led problem solving.

Career Coach, Career Services, Syracuse University, Syracuse, NY

August 2023 – May 2024

- Provide individualized career guidance to students, including résumé reviews, job search strategies, and mock interviews.
- Support first-generation and underrepresented students in navigating professional pathways and building career readiness skills.

Resident Mentor, InclusiveU Program – Center for Disability Resources

Syracuse University, Syracuse, NY

August 2022 – May 2023

- Mentored students with intellectual disabilities, offering support with academic engagement, life skills, and social development in a residential setting.
- Created inclusive learning and living environments through structured activities and one-on-one guidance.

WORK EXPERIENCE:

Software Engineering Intern, IBM Silicon Valley Lab, San Jose, CA July 2024- Present

- Engineered a scalable log-analysis pipeline using Granite and Llama and introduces LangGraph integrations to fine-tune and consistently structure output across log file.
- Deployed a multi-agent framework with IBM WatsonX Orchestrate ADK; importing, configuring, validating, and orchestrating agents into dev environments.

- Application UI/UX Intern, *The Tech Garden*, Syracuse, NY** March 2024- May 2025
- Design and implement UI pages for a gaming application and develop website for static web app using React, HTML and CSS.
- STEM Facilitator, *STEM From Dance*, Syracuse, NY** July 2024
- Led interactive STEM activities that integrated dance principles, promoting creativity and critical thinking among participants while enhancing their understanding of scientific concepts.
- Software Development Intern, *QuickBase Inc.*, Boston, MA** June 2024 – August 2024
- Developed an events management application using QuickBase and develop SharePoint website for the Cultural Programs.
- Admissions Intern, *Syracuse University Office of Admissions*, Syracuse New York** May 2023 – October 2023
- Collaborated with Syracuse University's admissions team as an intern, contributing to the successful processing and evaluation of student applications.
- System Architecture Intern, *AIG Insurance Company*, Jersey City, New Jersey** May 2023 – August 2023
- Assisted the system architecture team in the design and analysis of complex software and hardware systems during my internship, contributing to the development of scalable and efficient solutions while gaining valuable hands-on experience in system architecture principles and best practices.
- Cybersecurity Intern, *AIG Insurance Company*, Jersey City, New Jersey** May 2022 – August 2022
- Delivered systems and application solutions that strengthen and safeguard AIG's assets and stakeholders from threats.

LEADERSHIP/ EXTRA-CURRICULAR EXPERIENCE:

- Vice President of Alumni Relations, *Alpha Kappa Psi Business Fraternity*** January 2024– May 2024
- Coordinates connections between current and past members of the chapter to facilitate professional growth.
- President, *National Society of Black Engineers (NSBE)*, Syracuse University, New York** November 2022 – May 2024
- Presides over NSBE chapter meetings, facilitates effective chapter level programming and delegates tasks to officers.
- President, *Kalabash Dance Troupe*, Syracuse University, Syracuse, New York** May 2022 – May 2024
- Coordinates activities, events and booking arrangements for the on-campus Caribbean dance group.
- President, *Scholars on a Mission Foundation*, Syracuse University, Syracuse, New York** June 2022 – Present
- Coordinates community service projects for students of the Syracuse community and monitor mentorships programs among members of the Caribbean and African diaspora.
- Career Coach, *Syracuse University*, Syracuse, New York** June 2022 – May 2024
- Provides students in Engineering and Computer Science with tools necessary for their professional development and transitioning into the job market.
- Academic Coach, *Syracuse University*, Syracuse, New York** August 2021 – May 2024
- Provides students with effective study strategies to increase productivity and overall course performance.
- Resident Mentor, *Syracuse University*, Syracuse, New York** March 2021 – May 2023
- Assists students with Intellectual Disabilities in maintaining a safe and healthy environment on campus, and aiding students in adjusting independently.
- Member, *Kappa Lambda Chapter of Delta Sigma Theta Sorority Inc.*** November 2023 – May 2023
- Coordinates events and programs geared toward scholarship, service and social action in effort to constructively develop members and positively impact the community.

AWARDS/HONORS: GEM Scholar, IBM Fellow, Women in Science and Engineering Fellow, 2024 Yueh-Ying Hu Memorial Award, Itanwa Orinwa 2024 Student Speaker, Our Time Has Come Scholar, Phi Eta Sigma Honor Society, CSTEP Scholar, Louis Stokes Alliance for Minority Participation Scholar, SOURCE Young Research Fellow Scholar, Invest in SU Success Scholar, SU Orange Distinction Award, Gilman Scholarship Recipient