

Education

Rutgers University, New Brunswick, NJ, Aug 2025

Bachelor of Arts in Computer Science,
Bachelor of Science in Psychology

- Summa Cum Laude in Computer Science and Psychology
- GPA: 3.86
- Dean's List for all fall and spring semesters

Employment History

Digital Transformation Intern, NJ Department of Community Affairs, Oct 2025 - Present

Trenton, NJ (Full-Time)

- Design, develop, configure, and maintain application programs supporting electronic data processing functions in a multi-user production environment for statewide housing and community resource programs
- Analyze agency work methods, operational procedures, and data processing requirements to prepare and implement automated workflow systems in alignment with established business and regulatory requirements
- Develop, modify, test, and debug application modules in both preproduction and production environments to ensure system reliability, data integrity, and compliance with departmental standards using SimpliGov
- Provide technical support functions, including troubleshooting workflow execution issues, resolving data submission errors, and implementing corrective fixes to maintain uninterrupted system operations
- Configure and manage user access controls and security permissions to support controlled access to application systems and protect sensitive program data
- Integrate and maintain data sources and database-driven form logic to support consistent data access, validation, and processing across interconnected application systems
- Develop and maintain system documentation, user instructions, and operational procedures in accordance with agency standards
- Conduct individual and group training sessions for agency personnel on system operation, application functionality, and workflow processes to support effective system use
- Coordinate with internal stakeholders and technical staff to evaluate system utilization, identify operational inefficiencies, and implement system improvements

Resident Assistant, Rutgers University, Aug 2023 - Jun 2025

New Brunswick, NJ (Part-Time, 10 hrs/week)

- Managed resident support and conflict resolution for a 500+ student community in the Cook-Douglass campus, coordinating resources and services across individuals
- Provided students with resources, support, and maintenance with the residence building
- Increased resident engagement through target communication and outreach initiatives
- Collected and analyzed research data on how young children acquire number words as part of a team-based cognitive development study
- Maintained precise records of research outcomes, ensuring data integrity and compliance with institutional standards
- Presented findings on individual differences in early counting recognition at the 21st Annual Undergraduate Research Symposium

Research Assistant, Aresty Research Center, Sep 2024 - Jun 2025

Piscataway, NJ (Part-Time, 9 hrs/week)

- Facilitated weekly discussions on mental disorders, enhancing 16 interns' understanding and fostering a supportive learning environment
- Redesigned an official Robert Wood Johnson University Hospital psychiatrist webpage using Squarespace, improving usability, navigation, and access to key information

Teaching Assistant, Rutgers University, Jun 2023 - Apr 2024

Piscataway, NJ (Part-Time, 8 hrs/week)

Projects

- Winter Termination Self-Certification Program (2025): Designed an application-based document generation system to provide utility contact information for more than 1000+ NJ residents, improving communication in accordance with Board of Public Utility regulations to ensure protections are in place to prevent utility shutoffs
- Program Manager Engagement Workflow (2025): Designed and implemented requested requirements to create an online form to support the collection of program-specific information from managers for web developers to update DCAid content accurately
- Equal Employment Opportunity (EEO) Training (2025): Added a calendar feature to improve participation rates and integrated a post-training survey to collect feedback and enhance session quality
- Shelter Bed Management Workflow (2025): Led a training session for shelter staff, training users on performing intake, managing inventory, and registering individuals experiencing homelessness
- 21st Annual Aresty Undergraduate Symposium (2025): Analyzed developmental data on counting recognition in children aged 14–18 months old and presented findings to diverse academic and professional stakeholders, emphasizing data interpretation and clear communication of results
- Movie Recommender System (2024): Built a collaborative filtering model to predict user ratings and generate personalized movie recommendations using Python, NumPy, and PyTorch
- RUHack - Nate the Transit Mate (2023): Developed conversational AI chatbot integrating NJ Transit's FAQ, ticket system, and schedules using Google Cloud and Dialogflow
- COVID Compass (2020): Used HTML, CSS, and JavaScript to create a website to help users locate hospitals based on COVID-19 case volumes, awarded 1st in the district

Skills

Workflow Automation

API Testing & Data Sources

Tailwind & React

Java, Python, C