

RACHEL GAPASIN

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EDUCATION

New Jersey City University, Jersey City, NJ

Bachelor of Science, Computer Science

May 2024

- GPA: 4.0
- Relevant Coursework: Computer Science I & II, Software Engineering I & II, Computers and Information Technology, Data Structures, Artificial Intelligence, Database Design
- Honors & Awards: Presidential Scholarship, Dean's List Fall 2020–Spring 2024

SKILLS

- Languages: HTML, CSS, JavaScript, Python, Java, SQL
- Technologies: Git/GitHub, Microsoft Office, Google Workspace, Zoom, React.js, Node.js, Express.js, Figma, APIs

EXPERIENCE

Girls Who Code Leadership Academy, Remote

Leadership Academy Fellow, Project Lead

August 2023 – December 2023

- Participated in a four-month leadership development and career readiness program with senior leaders and engineers at RTX.
- Designed, managed, and developed a Give Back Project that focuses on spreading awareness about homelessness and providing resources in New Jersey.
- Networked with peers and industry professionals through cohort meetings for leadership development and project management, mock technical interviews, and speed networking.

Undergraduate Summer Internship Program at New Jersey City University, Jersey City, NJ

Research Intern

Summer 2023

- Enhanced reinforcement learning algorithms using Python to achieve a 36% improvement in training efficiency for the Amazon Web Services (AWS) DeepRacer project, ensuring seamless deployment and faster model iterations.
- Conducted comprehensive data analysis and model evaluation, leading to targeted optimizations that improved overall model performance and accuracy.
- Communicated research findings through engaging presentations at a research symposium, bridging technical and non-technical audiences.

Math Emporium at New Jersey City University, Jersey City, NJ

Mathematics Tutor

July 2022 – January 2023

- Facilitated group tutoring sessions for fellow university students, focusing on critical mathematics topics to help them pass the end-of-program exam, enabling them to satisfy math requirements and advance their studies quickly.
- Monitored student performance and progress using MyMathTest, identifying key areas for improvement and customizing tutoring sessions to address specific needs, resulting in improved comprehension and an average grade increase of 59%.
- Provided personalized one-on-one assistance on Zoom and in person and recorded attendance information in Microsoft Excel.

PROJECTS

- **CarePulse:** Created a healthcare platform using Next.js, Tailwind CSS, and Appwrite to streamline patient registration, appointment scheduling, and medical records.
- **Promptopia:** Developed a web application using Next.js, Tailwind CSS, and MongoDB that enables users to discover, create, and share creative prompts.
- **Bahay:** Designed and coded a website using HTML, CSS (Bootstrap framework), and Javascript to provide resources regarding homelessness in New Jersey.