

JESSI JOANDY PAVIA MARTINEZ

254 York Avenue, Staten Island, NY | 646 387-5453 | github.com/JessiP23 | jessi316866@gmail.com

LinkedIn: <https://www.linkedin.com/in/jessi-p-853299200/>

PROFILE SUMMARY

Dedicated and proficient tutor with years of experience teaching math and computer science at the college level. Skilled in various programming languages such as Python, Java, and JavaScript. Innovative, problem-solving, and fast learning student seeking a software engineer position to leverage my strong foundation in mathematics and programming and interpersonal skills and love to building new ideas.

EDUCATION AND PROFESSIONAL DEVELOPMENT

Harvard University CS50

Certificate in Web Development

2023-2024

Stanford University

Certificate in Computer Science

April 2023 - June 2023

Passaic County Community College

Associate of Arts in Mathematics GPA: 3.73/4.0

2021-2023

CareerSources

Certificate in Software Development Fundamentals.

November 2023 - January 2024

Coursework: Algorithms, Data Structures, Databases, Object-Oriented programming, Full Stack Development, Responsive Web Design, Front End Development, Python, JavaScript, AWS, Object-Oriented Programming

SKILLS

Technical skills: Python, JavaScript, Java, C++, Bash, SQL, React.js, Git, Django, Go, three.js, node.js.

Soft skills: Communication, Collaboration, Problem-Solving, Critical Thinking, Organization, Adaptability.

Activities: HackPrinceton Winner Desing 2022, Putnam Competition, Math National Olympiads.

EXPERIENCE

Tutor/ Mathematics/Computer Science

Passaic County Community College, Paterson NJ

August 2021 - May 2023

- Successfully improved 140 students grades from C to A with a 98% efficiency.
- Exposed monthly workshops to mentor students and develop student plans for their needs.
- Prepared students for their upcoming tests and homework.
- Helped students to build programming projects and explained each step.
- Scheduled weekly group sessions to build computer projects by utilizing basic programming languages (HTML, CSS, Python).

Data Entry Internship

Wildlife Conservation Society, Paterson, NJ

June 2023 - November 2023

- Accurately input large volumes of data into the company database, maintaining a high precision level.
- Correct and verify data discrepancies to secure data integrity.
- Consistently exceeded daily targets data with a 24% increase in productivity.
- Processed over 400 records per day with 98% accuracy.

PROJECTS

Quiz - Web Application

November 21, 2023 - January 4, 2024

Technologies used: Next.js, React, JavaScript, Framer Motion

- Integrated dynamic themes to diverse learning interest and incorporated visual dynamic objects and content to create an enjoyable and unique learning experience to users.
- Successfully leveraged Next.js for server-side rendering and code splitting, ensuring faster page loads and optimal performance.
- Designed a vibrant title with animated motion, enhancing overall aesthetics of the application.
- Delivered a positive experience to 30+ users, making it an effective tool for expanding knowledge in an enjoyable manner.
- Utilized React for efficient state management, resulting in a responsive and highly interactive user interface.

GitHub: <https://github.com/JessiP23/MyAppQuiz>

E commerce - Web Application**September 2023 - November 2023**

- Developed an e-commerce application using SQL, HTML, Python, Django, and CSS.
- The platform features a dynamic auction system inspired by eBay, allowing users to actively bid on listings.
- Bid option enabling users to increase their bids and watchlist option to enable watch preferred products.

Portfolio Jessi Pavia**December 2023 - January 2024**

- Developed a dynamic portfolio by using React for the front end, Django for the backend, and three.js for 3D rendering. Implemented HTML, CSS, JavaScript, and SQL for interactivity, styling, and databases.
- Designed a 3d room with clickable objects, each one redirecting a specific section of my portfolio.
- Independently created 2D and 3D pages, resulting in an interactive user experience.
- Designed, implemented, and developed the entire portfolio project.

EXTRACURRICULAR ACTIVITIES

Participant, HackPrinceton 2022

Technologies used: Python, Go.

- Collaborated with a team to build wildfire detector to prevent natural disasters.
- Used Python to build a backend code for storage of multiple cities in damage control.
- Obtained an award due to “best design project 2022”.
- Assisted workshops hosted by Git and cybersecurity, contributing to knowledge sharing in the tech industry.

Participant, Putnam Competition

- Placed top 500 in the Putnam competition score, showcasing strong problem-solving skills.
- Showed proficiency answering questions related to combinatorics and probability.
- Led the team with effective collaboration with principal and Putnam organizers.
- Created study guides with professors to enhance team’s preparation prior to the competition.