Jennifer Garcia

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New York, New York

Education

Pace University Seidenberg School of CSIS, New York, NY (2020 – 2024)
   Bachelor of Science in Computer Science
Pace University Seidenberg School of CSIS, New York, NY (2024 – Present)
   Master of Science in Computer Science

Qualifications & Skill Summary

- **Programming Languages:** Java (most proficient), Python, C++, C, HTML, CSS, JavaScript, Typescript, MySQL, R
- **Programs/Services:** Unity 5, Unreal 4, React, FireBase, AWS Cloud Computing, S3, DynamoDB, IAM, GitHub, SQL, Microsoft Excel, VirtalBox, Outlook, Discord, Bash, Git, Oracle
- **Others:** Scrum, Aglie, XP, DataBase Management, UML, ERD, Kanban, Network Administration, Product Managemnet, Linux, Machine Learning

Projects

Trust the Source
   Stuttgart Media University – May'25
- Led a team of 4 to develop a gameplay using HTML, CSS, and JavaScript within a 48-hour game jam.
- Deployed the game on Itch.io for browser-based play.
- GitHub of Project: Trust the Source

Software Engineering App Development with React
   Pace University – Jan '24 – May'24
- Led the development of an application using Scrum and XP practices in a team of 3 members, within the delivery time in 10 weeks.
- Led product roadmap and feature prioritization, ensuring project alignment with user needs and strategic goals.
- GitHub of Project: Moonflo

Multiplayer Sudoku
   Pace University – Sept '23 – Dec'23
- Created a client-server Sudoku application in Java, enabling play for up to 4 users.
- Deployed a TCP/IP connection for client-server communication, supporting 2 simultaneous connections.
- GitHub of Project: Sudoku

Work Experience

Site Reliability Engineer Trainee Mthree – March'25- Present
- Built and supported CI/CD pipelines with Jenkins for deploying frontend, backend, and database to Kubernetes.
- Monitored system health and performance using Grafana and Kubernetes metrics.
- Defined and tracked SLOs/SLIs to ensure trading app reliability and availability.
- Created unit tests for FastAPI endpoints using Python and TestClient.
- Documented key processes to support operations and incident response.

Research- Automatic Bone Marrow Lession Segmentation for Knee MRI — Jun '24– Sept '24
- Developed an AI tool using U-Net to automate bone marrow lesion detection in knee MRIs.
- Trained on 1,437 expert-labeled images, improving with Dice loss and cross-entropy (Dice score: 0.652).
- Improved model performance through dropout, hyperparameter tuning, and overfitting reduction.
- Collaborated with Tufts Medical Center and Boston University for data labeling and validation.

Educator Retail Sales Lululemon — Dec '22– Present
- Deliver personalized purchase and return support by assessing guest needs.
- Execute exact transactions and omnichannel programs (BOPIS, phone sales, ship-from-store).
- Collaborate with team members and use in-store technology to enhance the guest experience.
- Maintain a luxury store environment through inventory, presentation, and cleaning tasks.

Guest Experience Lead Lululemon — Oct '23 – Jan' 24
- Delivered high-quality guest experiences and personalized product education for 100+ guests daily.
- Drove sales by exceeding targets and elevating overall store performance.
- Acted as Supervisor on Duty (SOD) to manage daily floor operations.
- Provided input on hiring and team performance evaluations.