Ryan Jimenez

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EDUCATION

Kean University   Union, NJ
Bachelor of Science in Computer Science, Minor in Mathematics   *Expected - Dec. 2027*

EXPERIENCE

Undergraduate Research Assistant   Sept. 2024 – Present
CAHSI Institution   *Union, NJ*
- Conducted deep learning research on breast cancer detection using ultrasound images for classification and segmentation
- Designed and trained a multitask learning model combining ResNet-50 for classification and U-Net for segmentation.
- Applied data augmentation and custom class weights to improve model performance and address class imbalance.
- Trained models on a T4 GPU in Google Colab

Treasurer   Dec. 2024 – Present
Association for Computing Machinery   *Union, NJ*
- Managed financial operations for the ACM Club, including budgeting, tracking expenses, and ensuring proper allocation of funds
- Coordinated fundraising efforts and contributed to financial planning for club events and activities
- Collaborated with executive team members to support the strategic goals and ensure financial sustainability of the club

Center Store Associate   June 2024 – Present
Amazon Fresh   *Paramus, NJ*
- Assisted with inventory management, restocking shelves, and ensuring products were properly displayed for customers.
- Provided exceptional customer service by answering inquiries, assisting with product selection, and maintaining a clean and organized store environment.

PROJECTS

Simple Task Manager | *Python, Tkinter*   December 2024
- Created a simple task management application with a GUI using Tkinter.
- Implemented task add/edit/delete functionality and used Python's file handling to store tasks.

Linked List Implementation | *Java*   November 2024
- Implemented basic operations for a singly linked list, including insertion, deletion, and traversal.
- Practiced using classes and methods to simulate data structure operations in Python.

Number Guessing Game | *Python*   October 2024
- Developed a command-line number guessing game where the user has to guess a randomly generated number.
- Incorporated basic loops, conditionals, and user input handling in Python.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, HTML/CSS
Developer Tools: Git, Docker, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse
Libraries: pandas, NumPy, Matplotlib, Pytorch, OpenCV, Scikit-learn, TensorFlow, Keras, SimpleITK, albumentations, torchvision