PRESTON LEE

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EDUCATION

New York University, College of Arts and Sciences, New York, NY	September 2022 - May 2026
Bachelor of Science, Computer Science
GPA: 3.7, Dean's List 4 semesters
Relevant Courses: Data Structures, Computer Systems Organization, Discrete Mathematics, Software Engineering, Data Management and Analysis, Macroeconomics

EXPERIENCE

Software Engineering Intern, **Sonar Mental Health,** Stanford University	May 2024 – Present
- Designed and deployed a chatbot system (React.js, MongoDB, Vercel) used by 1,500+ teen users, achieving a 15% retention rate improvement.
- Developed Git-integrated response collection pipelines, enabling iterative updates based on real-time user feedback
- Optimized front-end UI/UX, enhancing platform accessibility and testing workflows.

Investment Analyst Intern, **Belveron Partners,** New York, NY	May 2024 - Aug. 2024
- Performed deal flow analysis and developed regression models to accurately forecast property valuations, enhancing strategic investment decisions.
- Contributed to due diligence efforts and crafted investor presentations, directly contributing to the successful closure of $30M in real estate transactions across the New York area.

PROJECTS/ACTIVITIES

Project Co-Developer, **Bounding Box Correction Tool for NASA**	July 2024 - Present
- Co-developed a Flask-based web application to enhance the accuracy of object detection in rover Perseverance mission datasets on Mars, in collaboration with NASA. Enabled efficient dataset management and refinement.

Project, **Spotify Utilities**	Jan. 2025
- Developed a Python-based toolkit using the Spotify API to automate music data retrieval. Implemented a popularity scoring feature that calculates the average popularity of tracks where users can view their top artists and scores.

Project Co-Developer, **CSVIFY Metadata Extraction Tool**	May 2024
- Co-developed a metadata extraction tool that processes song files to generate structured CSV files containing key details such as song titles, artists, albums, and more. Collaborated with Capitol Records to streamline the management of extensive music libraries and facilitate seamless integration of music data into other platforms.

Project, **Stock Prediction Model with TensorFlow / LSTM Network**	January 2025
- Developed a Stock Prediction Model using TensorFlow and LSTM networks to analyze historical stock data and forecast future trends. Applied deep learning techniques to capture temporal dependencies in financial data, showcasing expertise in time-series forecasting and machine learning deployment.

Co-Founder / Coordinator, **Student Wellness Ambassador Program**	Sept. 2022 – Jan. 2023
- Co-founded a statewide mental health program securing $1 million in funding from the California Board of Education.

TECHNICAL SKILLS

Java, Python, JavaScript, C, HTML, CSS, Tailwind CSS, React.js, TensorFlow, MongoDB, Git