

Yaheli Azani

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EDUCATION

University of Maryland College Park | College Park, MD

Sept. 2024 - Present

B.S. in Computer Science, Minors in Computational Finance and General Business/ GPA: 4.0/4.0

- **Courses:** Calculus I & II, Object Oriented Programming I & II, Discrete Structures, Intro to Computer Systems, Applied Probability and Statistics I, Linear Algebra
- **Honors:** Dean's List

RELEVANT EXPERIENCE

Freelance Website Development | New York, NY

Jun. 2023 - Aug. 2023

Freelance Website Development

- Designed and built a fully functional website for a security firm from scratch using HTML and CSS; secured a domain name and configured server hosting for live deployment, reached peak of 120 monthly clicks
- Solicited user feedback to improve layout, responsiveness, and user experience through iterative testing and problem-solving resulting in user satisfaction increasing by fifty percent

TECHNICAL SKILLS

Languages (ordered by proficiency): Java, Python, C, HTML, JavaScript, CSS

Tools and Frameworks: Tensorflow, Keras, scikit-learn, pandas, NumPy, BeautifulSoup, React

PROJECTS

La Liga (Soccer) Outcome Prediction System and Streamlit UI | *Personal Project*

Jun. 2025 - Sept. 2025

- Automated download and cleansing of 19 seasons of La Liga matches, computing team standings and crafting advanced indicators, weighted 10-game rolling averages, direct head-to-head histories, and implied probabilities from betting odds to serve as features for the model.
- Built an XGBoost machine learning model that is retrained season by season, rigorously measuring accuracy and F1 scores, generating visualizations to reveal which metrics drive predictions and correctly predict a home win, draw or away win with 59.5% accuracy and 0.526 F1 score.
- Implemented a Streamlit UI with cached model loading, intuitive team selectors and optional odds entry, presenting clear win/draw/away probabilities in tabular and chart form.

AI RAG Tutor Platform & Wix Integration | *Personal Project* | [Website here](#)

Dec. 2025 - Jan. 2026

- Developed a full-stack AI tutoring application using FastAPI and Wix, integrating OpenAI and Pinecone to create distinct, isolated knowledge bases from teacher-uploaded PDFs.
- Engineered a scalable Retrieval-Augmented Generation (RAG) pipeline currently capable of indexing over 100,000 document chunks, over 500 students, and supporting over 50 simultaneous classes, ensuring students receive accurate responses derived strictly from course materials.
- Implemented role-based dashboards where teachers manage content and students engage with an AI that guides learning rather than providing direct answers, featuring persistent chat history stored via Wix Data collections.

LEADERSHIP EXPERIENCE

UMD Terps for Israel (TFI) | College Park, MD

Jan. 2025 - Present

Head of Events

- Led weekly board meetings, developed event concepts aligned with TFI's mission, and collaborated with board members to get record attendance of around one hundred students to campus-wide programs.
- Coordinated logistics and outreach efforts, including finding venues, managing budgets, and promoting events to increase student engagement and attendance.