Andy Bello

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EDUCATION

Boston College, **Morrissey College of Arts and Sciences**   **Chestnut Hill, MA**
Bachelor of Science in Computer Science, Minor in General Business   May 2027
GPA: **3.92/4.0**
- Relevant coursework: Data Structures and Algorithms, Web Development, Machine Learning, Operating Systems

PROJECTS

[Mahomebase](#) | *Next.js, React, Tailwind CSS, Node.js, Express, PostgreSQL, Redis* | [Source Code](#)   Aug. 2025
- Integrated Sleeper, ESPN, and OpenAI *APIs* to aggregate *10,000+* NFL data points daily with AI-driven insights
- Built RESTful APIs with Express and used Prisma ORM to handle queries to PostgreSQL database
- Cached NFL and user data with Redis, reducing API response latency by *~50%* for faster and scalable endpoints

Wine Quality Regression | *Python, Scikit-learn, NumPy, Pandas, Matplotlib* | [Source Code](#)   Dec. 2025
- Evaluated 4 machine learning models on 6,497 wine samples using cross-validation, achieving a *MSE of 0.37*
- Designed a cost-sensitive evaluation metric to reflect real-world consequences of over-predicting wine quality

[Heights Housing](#) | *React, JavaScript, CSS, Firebase, Firestore* | [Source Code](#)   Apr. 2025
- Created a roommate-matching platform attracting *300+ users* and connecting *40+ students* to roommates
- Collaborated with Boston College Residential Life to implement secure BC authentication using Google OAuth

RESEARCH & WORK

Finocchiaro Lab, Boston College   **Chestnut Hill, MA**
Research Assistant   May 2025 - Present
- Co-author on research paper developing an attribute-based matching algorithm, targeted for February publication
- Formulated *10+* proofs and created Python simulations with NumPy and Matplotlib to validate hypotheses

Morrissey College of Arts and Sciences   **Chestnut Hill, MA**
Undergraduate Teaching Assistant   Aug. 2025 - Present
- Lead office hours, grade assignments, and guide 20 students through problem sets as the sole TA for Randomness
- Coordinate with professors to provide timely feedback to students, adapt lesson plans, and develop curriculum

ACTIVITIES & LEADERSHIP

Boston College Computer Science Society   **Chestnut Hill, MA**
Executive Board   Oct. 2023 - Present
- Orchestrated BC's annual hackathon, sponsorships, general meetings, and TechTreks for *350+ participants*
- Secured *$1,100+* in funding for bi-weekly events by communicating with company representatives and BC clubs

Watertown Boys and Girls Club   **Watertown, MA**
Volunteer   Oct. 2024 - May 2025
- Contributed *10 hours* of weekly volunteer work tutoring *30+* students in algebra and programming with Scratch

SKILLS & INTERESTS

Languages: Python, Java, C, JavaScript, SQL, HTML, CSS
Frameworks & Libraries: React, Next.js, Tailwind CSS, Node.js, Express, SQL, scikit-learn, PyTorch, NumPy, Pandas
Databases/Tools/Technologies: PostgreSQL, Firestore, Redis, Git, REST APIs, Prisma ORM
Interests: A.C. Milan, Gjat, ABBA, *Shoe Dog*, *Shutter Island*, Boston Sports