

# Andy Bello

Boston, MA | andycbello@gmail.com | (339) 203-7455 | [andybello.com](https://andybello.com) | [Github](#) | [LinkedIn](#)

## 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

[Mahomabase](#) | *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