

# Riccardo Bean

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## EDUCATION

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### New York University, Tandon School of Engineering

*Bachelor of Science in Computer Science. GPA: 3.84/4.0*

*Minors in Mathematics, Astronomy, and Game Engineering*

*Relevant Courses: Python, DSA, OOP, Calculus, Discrete Math, Linear Algebra, Data Analysis*

*Summer Program in Machine & Deep Learning*

*Member of GLASS (Global Leaders & Scholars in STEM) Honors Program*

**Brooklyn, NY**

May 2028

## WORK & VOLUNTEER EXPERIENCE

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### NYU Tandon School of Engineering, Course Assistant for Computer Science Dept.

**Brooklyn, NY**

Aug 2025 – Present

- Teach weekly recitation sessions to two groups of 30 students, proctor exams, debug and grade Python programming homework problems
- Conduct office hours to answer questions about class material

### Oraspire, Website Developer & IT Admin

**Online**

May 2025 – Oct 2025

- Designed a responsive interface using Figma, HTML, CSS, and JS
- Administered Google Workspace for internal staff, resolved account issues and optimized workflow configurations

### New York University, Admissions Ambassador

**New York, NY**

Jan 2025 – Present

- Lead 2+ campus tours to prospective students and answer 50+ phone calls weekly

### Google, Trusted Beta Tester

**Online**

Sep 2024 – Present

- Test confidential in-development tools monthly and provide feedback to Google Labs
- Conduct user interviews to pinpoint bugs and weaknesses of the products

### La Scuola d'Italia, Problem-Solving Teacher

**New York, NY**

Jan 2023 – May 2023

- Prepared a group of students for the Italian *Olimpiadi di Problem Solving* and boosted the team's performance by 50%
- Developed the course curriculum to cover all the topics of the competition and taught weekly lectures

## COMPETITIONS & AWARDS

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### International Informatics Olympiad

**Venice, Italy**

Jan 2021 - May 2021

- Won first place in the scholastic selection
- Attended a course with LUISS University to learn the use of data types and solve real-world problems using C++

### Olimpiadi di Problem Solving

**Venice, Italy**

Jan 2021 - May 2021

- Won fourth place in Italy the National Italian Problem-Solving Competition
- Competed against 2,000 students in Cryptography, Logic, Programming, and Mathematics

## PROJECTS (<https://github.com/riccardobean>)

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### Overthinking My Final Grade ([omfg-beta.vercel.app](https://omfg-beta.vercel.app))

**Flask, React, JS, Python**

- Engineered a full-stack web app that provides students with a centralized dashboard to track their academic progress
- Integrated Gemini API to automate syllabus parsing, enabling bulk assignment creation
- Developed a secure authentication and referral system to manage access to premium features

### Tic Tac Toe ([tictactoe.riccardo-bean.vip](https://tictactoe.riccardo-bean.vip))

**Python, PyGame**

- Developed an offline desktop game featuring multiplayer, easy AI, and hard AI modes with rule-based logic to simulate strategic defensive and attacking moves

### Exam Clock ([clock.riccardo-bean.vip](https://clock.riccardo-bean.vip))

**HTML, CSS, JS**

- Designed a distraction-free exam timer that automates audio and visual announcements to simulate exam proctoring

## SKILLS

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*Technical:* Microsoft/Google Suites, Python, Flask, PyGame, C++, HTML/CSS, JS, SQLite, PostgreSQL, React, Deployment, Figma, LLM Integration, APIs

*Soft Skills:* Teamwork, Tutoring, Teaching, Presenting, Time Management, Problem Solving, Technical Writing

*Languages:* English (Advanced), Italian (Native), Spanish (Proficient), French (Beginner)