

BELLA TARANTINO

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EDUCATION

Bachelor of Arts in Physics, Harvard University

Expected 2024

GPA: 3.6/4.0

Awards: Harvard Club of New York Foundation Scholar (2020)

SKILLS

Programming Languages JavaScript, TypeScript, Java, Kotlin, Python, HTML/CSS, SQL
Languages English (Native), Spoken/Written Mandarin (Advanced)

ACTIVITIES AND EXPERIENCE

Undergraduate Researcher at Black Hole Initiative

Sept 2022 - Present

Harvard Black Hole Initiative

Cambridge, MA

- Analyze data from and contribute to the University of Miami's AGN-DB, the largest active galactic nuclei database in the world
- Learn to use and utilize GaMorNet, a ML model for classifying galaxy morphology, on photos of galaxies and their AGNs
- Use numpy and other scientific python libraries to clean and analyze large amounts of data

Tutor at East End Tutors, Inc

Feb 2022 - Present

East End Tutors, Inc

Cambridge, MA - Remote

Research Assistant on ATLAS Experiment

June 2022 - Aug 2022

CERN

Geneva, Switzerland

- Analyze data from ROOT files in Python and C++ to identify and categorize erroneous equipment on the ATLAS New Small Wheel
- Attend lectures and learn the fundamentals of theoretical and experimental particle physics from researchers at CERN
- Create digestible, user-friendly representations of large datasets

Tutor at HSA Tutoring

Dec 2020 - Feb 2022

Harvard Student Agencies

Cambridge, MA

Software Development Intern

May 2021 - Aug 2021

Google

NY-Remote

- Planned and executed a twelve-week project to develop three end-to-end features on an internal platform.
- Wrote, converted, and used protocol buffers for storage and remote procedure calls.
- Used HTML templating languages and widgets to create responsive, user-friendly UI.
- Used Kotlin to make multiple asynchronous, parallel calls to databases.
- Use dependency injection (Guice), remote procedure call (gRPC), and frontend development frameworks (Wiz) for end to end web development.

Student at Qubit x Qubit

Oct 2020 - May 2021

The Coding School, IBM

New York, NY

- Learn basics of quantum mechanics, computation, and algorithms from MIT and Oxford professors