

Joseph Montalto

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Education

Tufts University, Computer Science Sept 2021 - expecting May 2025

Notable Courses: Computer Science XL, Computer Science XV, Web Programming, Calculus III, Linear Algebra.

Minors: Finance, Entrepreneurship

Rye High School Sept 2017 - June 2021

- Notable Courses: AP Calculus AB, Science Research.
 - **GPA: 97.6**
 - **Awards:** Most Improved Rower at RowAmerica Rye (2020), Science Research Student of the Quarter (2019), Mathematics Student of the Semester (2018).
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Experience

Lucky Friday Labs - Software Engineer Intern May 2023 - August 2023, Norwalk, CT

- Designed and built programs that process data from the Ethereum and Polkadot blockchains, debug hardware issues.
- Created a notification system to quickly identify orphaned blocks, leading to faster error processing and more efficient machine operation.
- Collated and organized extensive data on competitor pricing and budgets into easy-to-understand spreadsheets.

RowAmerica Rye - Coach and Athlete Aug 2017 - Aug 2022, Rye, NY

- Awarded several national medals during my High School career.
- Organized practice schedules and activities for 5 other coaches and 50 middle school athletes as a head coach
- Taught student athletes the basics of rowing, responsibility, discipline, and time management.

Albert Einstein College of Medicine - Research Intern Mar 2021 - June 2021, Bronx, NY

- Trained a machine learning WEKA-based ImageJ algorithm to determine the proportion of invasive and stem components of tissue samples given a dataset of over 1,000 images of immuno-fluorescently stained human tissue samples.
 - Assisted researchers with interpreting preliminary data that indicate a racial disparity in invasive and stem components of the breast cancer micro-environment.
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Extracurricular Activities

Tufts in Pavia - Student June 2023 - July 2023, University of Pavia, Italy

- Enrolled in the following classes: Italian I, Special Topics Data Analysis, and Bridges to Higher Mathematics.
- Letter Grade Average: A

Effective Altruism - Member Sept 2021 - June 2022, Boston, MA

Effective altruism is a philosophy and social movement that aims to find the most effective ways to help others, and put them into action.

- Educated Tufts students on altruism; facilitated a group of 10, doubling membership.
- Participated in the EAGxBoston conference, which featured international guest speakers that have trailblazed numerous philanthropic movements.

Big Picture Foundation - Coordinator Oct 2016 - June 2021, Rye, NY

- Coordinated videography projects that represented American culture to refugee communities in Syria, Lebanon, Mauritania, Turkey, Egypt, Nepal, and many more.
 - Communicated with international groups to create unified videos that connect global refugees.
 - Organized events to raise money for local projects and to donate art supplies for international refugee groups.
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Athletic Achievements

Placed 3rd in the U19 Four at USRowing Nationals (2021), 1st in the U19 Four at Northeast Regionals (2021), 1st in the U19 Four at New York State Championships (2021), 2nd in the U17 Four at USRowing Club Nationals (2019)

Coding Languages: C, C++, Rust, HTML/CSS, JavaScript, Typescript, MySQL