Matthew Farejowicz

mfarejow@mit.edu | mfarejowicz.github.io

(224) 406-1440 | 500 Memorial Drive, Cambridge, MA, 02139

Education

Massachusetts Institute of Technology (MIT)   June 2020 (expected)
- Candidate for Bachelor of Science in Mathematics with Computer Science (5.0/5.0 GPA)
- Coursework: Design and Analysis of Algorithms, Programming and Data Science via Python, Theory of Computation, Linear Algebra, Real Analysis, Probability

Lake Zurich High School   May 2016
- Graduated Summa Cum Laude, 5.15/4.0 weighted GPA, ACT: 35, SAT: 2260
- Awards for National AP Scholar with Distinction and Illinois State Scholar

Experience

MIT CMS Department
Undergraduate Research Assistant   June 2018 – August 2018
- Built a cross-platform app (named Undrground) using React Native, intended to provide users with the ability to discover live music events near them
- Created a Node.js utility to scrape and clean event data from venue websites, fully automating the data collection and MySQL database upload process

MIT Media Lab
Undergraduate Research Assistant   June 2017 – August 2017
- Developed Replot, a new, declarative, open-source data visualization library, to give users a data analysis tool written exclusively in ReactJS
- Collaborated with 3 other team members to suggest improvements, discover and close issues, and expedite the project overall

MIT Physics Department
Undergraduate Teaching Assistant   January 2017 – May 2017
- Guided 2 groups of 10 students through course material, to promote a better understanding of critical concepts and formulations
- Graded 20 problem sets a week, reporting results and concerns to supervisors in a timely manner

Leadership

MIT MISTI GTL
Visiting High School Teacher   January 2018
- Taught basic and advanced Math and Computer Science topics to various groups of 20 to 30 high school students in Guadalajara, Mexico, for the duration of a month
- Prepared lesson plans and workshops on short notice, responding to teacher and student needs

MIT Next House
Next Exec Vice President of Facilities   December 2016 – Current
- Oversee the upkeep of facilities and amenities of a dormitory housing 380 students
- Propose purchases and renovations to better quality of life for residents

MIT Educational Studies Program
Program Administrator   November 2016 – Current
- Coordinate large-scale educational programs, which includes guiding 1500-2000 students around MIT campus and ensuring teachers have necessary materials
- Recruit and train college-level students to serve as teachers and volunteers

Skills

- Languages: Polish – Fluent, Spanish – Advanced
- Programming: Python, HTML/CSS/JavaScript, Java, MySQL, MATLAB
- Libraries and Frameworks: Node.js, MySQL, ReactJS, React Native, Firebase, Git