Matthew Farejowicz

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Education

Massachusetts Institute of Technology   June 2020 (expected)
- Candidate for Bachelor of Science in Mathematics with Computer Science (5.0/5.0 GPA)
- Coursework: Elements of Software Construction, Design and Analysis of Algorithms, Theory of Computation, Intro to Machine Learning, Probability & Random Variables, Real Analysis

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

Twitch.tv
Software Engineering Intern   June 2019 – August 2019
- Designed and developed a new autocomplete interface to help millions of viewers quickly and effectively use commands, emotes, or mentions
- Worked across multiple internal teams to produce reusable components with easily accessible documentation, improving ability to add autocomplete items in the future

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 teammates to create designs, suggest improvements, and discover issues

Leadership

MIT web.lab
Treasurer   May 2019 – Current
- Manage group finances, including extensive budget planning and communication with sponsors
- Planned and implemented a new administrative tool for managing student submissions, allowing for better tracking of student progress as well as faster grading and feedback

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: ReactJS, TypeScript, Git, Node.js, React Native, Firebase