Jamison O'Keefe

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EDUCATION

Massachusetts Institute of Technology (MIT)	**Cambridge, MA**
Candidate for BS in Computer Science and Mathematics (double major)	Exp 2026 | GPA: 5.0/5.0

- <u>Relevant coursework:</u> Intro to Algorithms, Intro to Machine Learning, Fundamentals of Programming, Probability & Random Variables, Theory of Computation, Mathematics for Computer Science, Linear Algebra & Optimization, Computational Thinking & Data Science

Exeter High School	**Exeter, NH**
SAT Score: 1580 | 14 AP Courses	Jun 2022 | GPA: 4.1/4.3

- <u>Honors:</u> Four Year Class President, Varsity Soccer Captain, 2020 Congressional App Challenge, Xerox Award for Innovation & Information Technology, Louis DeLabriere Award for Excellence in Mathematics, National Merit Scholarship Finalist, U.S. Presidential Scholar Nominee, National Latin Exam Gold Medal, NH D1 All-State First Team Soccer

WORK EXPERIENCE

Nasdaq	**Boston, MA**
Incoming AI Engineering Winter Intern	Jan 2024 – Feb 2024
Birth By Us	**Cambridge, MA**
Software Engineering Intern	Jun 2023 – Aug 2023

- Built a web-based provider marketplace with Angular, using Typescript, HTML, and SCSS
- Developed backend functionality compatible with MongoDB
- Prototyped in Figma

MIT Computer Science and AI Human-Computer Interaction Laboratory	**Cambridge, MA**
Undergraduate Researcher	Sep 2022 – Present

- Co-authored *BrightMarkers,* which was accepted to UIST 2023, featured on *MIT News,* etc. (see Publications)
- Developed a novel algorithm in Python to analyze 3D models and embed "invisible" fluorescent tags in optimal locations
- Currently working on palm recognition techniques

TECH Tours	**Cambridge, MA**
Tour Guide	Mar 2023 – Present

- Routinely give hour long tours of MIT's campus to 35+ people

PUBLICATIONS/PROJECTS

BrightMarkers	**Cambridge, MA**
PUBLICATION: 2023 UIST Research Conference	Oct 2022 – Jun 2023

- *BrightMarkers* introduces a novel form of integrated, unobtrusive object tracking using embedded codes and infrared fluorescence
- Featured in *MIT News, 3dprinting.com, hackster.io,* and others

Augmentia	**Stratham, NH**
PROJECT: Augmented Reality Mobile App (youtu.be/QevBrMoL_F8)	Apr 2020 – Oct 2020

- Winning submission for the 2020 Congressional App Challenge, entered permanently into the Congressional record, presented at House of Code
- Joined AR interactions between real and digital objects with mechanics (including kinematics and collisions)
- Developed using C#, the Unity game engine, HTML, and CSS

http://brassrat.mit.edu	**Cambridge, MA**
PROJECT: 2026 Brass Rat Website	Aug 2023 – Sep 2023

- Designed and developed the MIT 2026 Brass Rat website (see Extracurriculars) with HTML, CSS, and jQuery

LEADERSHIP & EXTRACURRICULARS

MIT Varsity Soccer Team / New Hampshire High School Athletics	**Cambridge, NH**
MIT Athletics / NHIAA	Aug 2022 – Present

- Academic All-Conference center back for the MIT varsity soccer team
- Captain and two-year starter on division one high school varsity team
- NH D1 All-State First Team, USA Today Seacoast Boys High School Player of the Year nominee

MIT '26 Ring Committee	**Cambridge, MA**
MIT Class of 2026	May 2023 - Present

- One of twelve students chosen from my class to design the Brass Rat (class ring) for the MIT class of 2026
- Chosen to be the Web Chair to develop the official 2026 Brass Rat website (http://brassrat.mit.edu)
- Planning multiple events, including two class wide presentations/gatherings: Ring Premiere and Ring Delivery

SKILLS & INTERESTS

Computer: Python, C#, Java, HTML, CSS, Angular, JavaScript, TypeScript, Git, Unity, Figma
Interests: Piano and Guitar (10 years), Music Production (2 years), TV/Film Analysis, Cooking