

Tyrin-Ian Todd

tytodd@mit.edu | 814-876-0124

Personal Site: tyrin.netlify.app

LinkedIn: www.linkedin.com/in/tyrin-ian-todd

EDUCATION

Massachusetts Institute of Technology (MIT),

Cambridge, Massachusetts

Major: *Computer Science, AI, and Decision Making. Concentration in Autonomous Machines*

June 2025

Relevant Coursework: Algorithms, Machine Learning, IoT Embedded Systems, Mobile Autonomous Systems Lab, Fundamentals of Programming, Design and Manufacturing, Toy Product Design

WORK EXPERIENCE

Bloomberg

New York, NY

Software Engineering Intern

Summer 2023

- **(React JS Node JS)** Created a library with documentation to seamlessly integrate OpenTelemetry into Bloomberg web apps. The library successfully integrated OpenTelemetry into Bloomberg's videoconferencing software, ROOM.

Boeing

St. Louis, MO

Software Engineering Intern

Summer 2022

- **(C++)** Designed and implemented software tools used by several engineers to process the satellite images that are used in Boeing's flight simulator.

WePlate

Cambridge, MA

Frontend Developer

2021-2022

- **(React Native)** Created several features for the WePlate app, a nutrition start-up that focuses on helping college students reach their health goals through their campus dining halls.

LEADERSHIP EXPERIENCE

MIT New House Student Government

Cambridge, MA

Makerspace Chiar

2023-Present

- Oversee a \$10,000 budget to maintain the maker space in the New House residence hall
- Responsibilities: manage inventory, train new members, coordinate with MIT administration, formulate and enforce rules and procedures

MIT Project Manus

Cambridge, MA

Shop Mentor

2023-Present

- Manage MIT's premier maker spaces: Metropolis and The Deep
- Responsibilities: lead trainings, manage inventory, maintain machines, guide and help members as they work on their projects

Honors and Activities

- Sandbox MIT Finalist **2023**
- Introduction to Autonomous Machines Teaching Assistant **2023**
- Third Place in 2.S007 Semi-Autonomous Robotics Competition **2023**
- HackMIT Hackathon Finalist **2021**

SKILLS

- Programming: Python, Javascript/React, C/C++, C#, React Native, Java, SQL
- Robot Operating System 2 (ROS2)
- IoT
- Mechanical Design and CAD (Onshape, Inventor, Fusion 360)
- Fabrication and Prototyping