

# Joshua M. Marcus

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## EDUCATION

**Brown University:** *Sc.B Applied Mathematics-Biology (GPA: 3.75)*

Expected May 2027

- Relevant Coursework: General Chemistry, Organic Chemistry, Biochemistry, Microbiology

**Aish Hatorah Yeshiva, Jerusalem**

August 2022 - June 2023

- Coursework in theological and philosophical thought guided by ancient Jewish texts

**Bi-Cultural Hebrew Academy of Connecticut**

September 2018 - June 2022

- GPA: 3.95 | ACT Score: 35 | AP scores: 5 in six subjects

## PROFESSIONAL EXPERIENCE

**Fairfield Oral Surgery, Oral Surgery Technician**

Fairfield, CT | June 2025 - August 2025

- Assisted the surgeon in delivering safe and effective care by sterilizing surgical instruments, preparing and breaking down procedure rooms, and assisting chairside during oral surgery operations
- Enhanced patient experience by seating patients, collecting and recording medical histories, entering pertinent information into electronic records, and providing clear postoperative instructions to ensure proper recovery

**Hartford Healthcare American Professional Education Services, Student Phlebotomist**

Norwich, CT | May 2025 - July 2025

- Completed 80 hours of formal phlebotomy training, requiring mastery of hands-on skills including over 30 successful venipunctures utilizing a variety of blood-draw systems and methods
- Studied all aspects of blood and specimen collection ranging from patient identification to quality assurance

**Miriam Hospital, Emergency Department Volunteer**

Providence, RI | March 2025 - Present

- Support nurses and doctors in providing comprehensive, compassionate patient care

**Brown University - Plavicki Laboratory, Research Intern**

Providence, RI | September 2024 - Present

- Explore how genetic mutations and environmental contaminants affect brain health and heart development using zebrafish as a model organism
- Analyzing data, confocal imaging, and caring for the fish facility are integral responsibilities among other laboratory procedures

**Brown University - Diversity of Life, Teaching Assistant**

Providence, RI | September 2024 - Present

- Assist in facilitating a deeper understanding of course material by holding office hours and conducting review sessions, provide academic support to students in need, and monitor course communications to ensure a smooth learning experience for all students
- Evaluate exams by writing and applying consistent grading criteria and constructive feedback

**JGB Management Inc., Investment Analyst Intern**

Westport, CT | May 2024 - August 2024

- Exclusive internship working with financial analysts conducting research and modeling projections to advise investment strategies for companies and individuals from a wide-range of industries with investments ranging from 10-100 million dollars
- Provided strategic insights on due diligence of biotech and healthcare investment opportunities

**Yale University - Isaacs Laboratory, Research Intern**

New Haven, CT | June 2021 - August 2021

- Collaborated with graduate and undergraduate students to recode the E. coli genome to eliminate the redundancy in stop codons

## LEADERSHIP EXPERIENCE

**Sefarim Connect, Founder and President**

Providence, RI | January 2025 - Present

- Established Sefarim Connect, a nationwide, dynamic Jewish learning initiative with 100+ participants, fostering personalized Torah study and Jewish engagement on college campuses nationwide ([oujlic.org](https://oujlic.org) | [jewishlink.news](https://jewishlink.news))
- Head a seven member board managing the financials, operations, marketing, and participant relations of the program

**Brown University Fishing Club, Founder and President**

Providence, RI | December 2024 - Present

- Organize fishing trips and workshops, promote sustainability initiatives, and manage a communal bait and tackle center

**Yavneh on Campus, Lead Fellow**

Providence, RI | September 2023 - Present

- Collaborate with a network of Jewish student leaders across North America to create innovative programming and fundraising ideas

**Floating Torah Tours, Travel Manager and Education Coordinator**

Westport, CT | 2020, 2022, 2024

- Responsible for arranging itinerary and creating educational materials for week-long sailing and diving excursion blended with Jewish learning throughout various Caribbean Islands

**CAST For Kids Foundation, Saugatuck River Event Coordinator**

Westport, CT | March 2019 - Present

- Facilitate an annual event for special needs and underprivileged children for an memorable day on the water learning about the joy of catch-and-release fishing
- Spearhead corporate fundraising efforts for the foundation to provide free fishing gear, jerseys, and trophies for all participants ([06880danwoog.com](https://06880danwoog.com) | [jewishledger.com](https://jewishledger.com) | [06880danwoog.com](https://06880danwoog.com))

## SKILLS & INTERESTS

**Technical Skills:** Proficiency in Excel, Python, MATLAB, and C++ | Licensed Small Vessel Boat Captain | NHA Certified Phlebotomist

**Language:** Native in English and Hebrew

**Interests:** Scuba Diving, Kayaking, Boating, Fishing, Hiking