

Donovan Duff Brady

484 W 43rd St. Apt 45D New York, NY 10036 | (347) 344 7161 | Donovan.Brady@tufts.edu
<https://www.linkedin.com/in/donovan-brady-0339b9171/>

Education

Tufts University, Medford, MA

Bachelor of Science in Physics, expected May 2021

G.P.A. 3.76 / 4, Dean's List

Noteworthy Courses: Intro to CS (Python / C++), Data Structures (C++), Mathematical Modeling and Computation, Computational Physics, Thermal Physics, Statics and Dynamics, Electricity and Magnetism, Intermediate Mechanics, Modern Physics, Intro to Quantum Information, Multivariable Calculus, Linear Algebra, Differential Equations

Skills

Software: C++, C#, Python, Mathematica, Google Suite, Microsoft Office

Work Experience

Tufts University, Research Assistant, Department of Physics and Astronomy, June 1st – August 19th, 2020

- Biophysics research under Professor Cristian Staii studying axonal growth of neurons on patterned substrates
- Analyzed and quantified axonal growth of neurons using ImageJ software
- Implemented simulations of axon growth using Mathematica software
- Researched automatic control theory to be implemented in the axon growth model

Booz Allen Hamilton, Project Management Intern, NASA Headquarters, Washington, D.C. June 3rd – July 10th, 2019

- Researched and created a spreadsheet/graph showing information on 45 NASA Earth Science Missions and which of the United Nations' 17 Sustainability Development Goals (SDGs) and 169 Targets each mission supports
- Reviewed Booz Allen's Artificial Intelligence and Modeling & Simulation capabilities and produced both an AI and Modeling & Simulation slick sheet to promote Booz Allen in the Aerospace industry
- With a team of 4, designed a SharePoint to house proposals and quals for Booz Allen employees at NASA HQ

Tufts Office for Campus Life, Event Staff Manager + Office Assistant, Medford, September 2017–Present

- Ensure the success and safety of events run through Tufts Office of Campus Life
- Conduct set-up, ticketing, crowd-management, and breakdown for various university events
- Responsible for using Tufts equipment, managing other Event staff employees, and writing reports
- Allocates spaces for student organizations, oversees campus center, and takes questions at front desk

Extracurricular Activities

Tufts SEDS/Rocketry, Member, Medford, MA, April 2018 – Present

- Focus on researching and building an original rocket system as a part of a collegiate engineering team
- Co-headed the integration and Launch team, which communicates with outside resources, manages paperwork, and keeps track of other sub-teams to make sure launch is within safety regulation

Tufts Quidditch Team, Co-Manager, Medford, MA, May 2018 – Present

- Officiate all board meetings, liaison to administrative officers, ensure housing and transportation for tournaments, and communicate with other Quidditch teams
- Oversee fundraising, social media, and community engagement

Volunteer Experience

Greenwich House, Tech Support for Senior Center, New York, NY, January – June 2017

- Provided tech support to the elderly and supervised the computer room in the senior center.

Esperanza International/ Habitat for Humanity, Volunteer, July 2015 & July 2016

- With a team of 20 other students, helped build houses for families in Robbins TN and Tijuana Mexico