

# Isaac Feldman

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## Education:

### **Dartmouth College**

Hanover, NH

Anticipated Graduation 2023

Major: Computer Science

### **George C. Marshall High School**

Falls Church, VA

International Baccalaureate Diploma, 2019

## Work Experience:

### **Teaching Assistant, Computer Science Department, Dartmouth College**

Hanover, NH, 2021-current

Supports students taking computer science courses by holding office hours, answering course questions and hosting recitation meetings where students can practice developing their skills.

*Courses: Intro to Computer Science (COSC 1), Software Design and Implementation (COSC 50), Accelerated Computational Linguistics (COSC 72)*

### **Student Employee, Book Arts Workshop, Dartmouth Library**

Hanover, NH, 2020-current

Provides training and support for a program that uses both traditional and contemporary methods to explore the arts and history of bookbinding, printing and typography. Trained to use historical equipment and methods for letterpress printing and bookbinding.

### **Instructor, Washington Sailing School**

Washington, DC, 2016-2020

Served as a professional staff instructor, teaching children ages 8 -15 and adults how to sail small- and medium-sized boats on the Potomac River in Washington D.C. Maintains and repairs the sailboat fleet.

### **Student Technician, Fairfax County Public Schools**

Falls Church, VA, 2016-2019

Employed by Fairfax County Public Schools to support and run the sound and lighting systems at Marshall High School for community events that utilize the school's space and equipment.

## Publications:

### **Neural Machine Translation Models with Back-Translation for the Extremely Low-Resource Indigenous Language Bribri**

Isaac Feldman, Rolando Coto Solano; Proceedings of the 28th International Conference on Computational Linguistics (2020)

### **Skills:**

Programming Languages - Python, C, HTML/CSS, Javascript, Java, C#

Frameworks - Pytorch, Tensorflow, OpenNMT, p5.js

Software - GNU/Linux, git, Fusion360, Unity

Languages - Spanish (intermediate), English (native)

### **Extracurricular Activities:**

#### **Secretary; Access Consultant, Access Dartmouth**

Serves as a consultant for Access Dartmouth, a mentorship organization for incoming students with disabilities and access challenges to help ease their transition to Dartmouth. The group engages in accessibility advocacy on campus, working to support structural changes that create a more supportive environment for students with disabilities.

#### **Electrical Team, Dartmouth Formula Racing**

Designed and assembled the dashboard electrical systems and overall vehicle wire harness for an all-new, all-electric race car for the 2020 season, which was designed, built and driven by students. Trained in soldering and electrical systems assembly.

### **Honors:**

Neukom Scholar, The Neukom Institute for Computational Science (Fall 2020)

1st Place, Fairfax County Regional Science Fair (2018),

VA State Film Festival Audience Choice Award, Virginia High School League (2018)