

# Sean H. Fruman

83 Wood Ln. Woodmere, NY 11598 | Cell: (917) 327-5717 | <https://seanhainesfruman.com> | shf53@cornell.edu

## EDUCATION

**Cornell University**, College of Engineering, Ithaca, NY

**Expected May 2026**

Bachelor of Science, Mechanical Engineering | Dyson Business Minor for Engineers

GPA: 3.36; Dean's List, Spring 2023

## ENGINEERING EXPERIENCE

**Cornell Mars Rover**, Ithaca, NY

**Oct 2022-Present**

*Astrotech Subteam Member*

- Collaborate with subteam members in multiple weekly meetings in designing and manufacturing components for a science analysis system onboard a team-built rover
- Gained proficiency in CAD using Autodesk Inventor and operated mills and lathes for component manufacturing
- Currently designing a mixing system to stir collected soil samples with various chemicals for analysis

**ConcreteJungleGym**, Detroit, MI

**June-Aug 2021**

*Summer Apprentice*

- Independently pursued a shadowing opportunity with an experienced engineer on a private startup project.
- Introduced fundamental engineering principles by designing and building fitness equipment from raw, sustainable materials
- Gained experience in CAD modeling and applied kinematic concepts to real-world scenarios

## EMPLOYMENT EXPERIENCE

**Red Hook Art Project**, Brooklyn, NY

**July 2024-Aug 2024**

*Music Department Lead*

- Educated school-age children with prepared lessons on rudimentary guitar exercises, basic music theory, and music composition with digital audio workstations and MIDI
- Engaged and communicated with children from diverse ethnic backgrounds through language barriers
- Assisted with managing supplies and maintained technology and equipment throughout the art studio

**Ground Central Coffee Company**, Lynbrook, NY

**June 2020-Aug 2023 (Seasonally)**

*Cashier and Maintenance*

- Operated a POS system, stocked items, and prepared beverages and food items
- Organized and contributed towards community-benefiting events such as open mics and fundraisers
- Provided excellent customer service and meaningfully engaged with clients and employees

**Cryocure Cryotherapy Wellness Center**, Hewlett, NY

**June 2022-Aug 2023**

*Administrative Assistant*

- Performed different multidisciplinary wellness procedures including full-body and local cryotherapy treatments
- Assisted clients, scheduled appointments, and advertised and sold memberships and packages
- Operated and maintained cryotherapy machinery involving liquid nitrogen

## CAMPUS INVOLVEMENT

**Delta Kappa Epsilon Fraternity**, Cornell University, *House Steward, Social Media Chair*

**Mar 2023-Present**

**Cornell Repertory Jazz Ensemble**, Cornell University, *Rhythm Guitar*

**Jan-May 2023, Jan 2024-Present**

**Cornell University Glee Club**, Cornell University, *Member*

**Aug-Dec 2022**

## ADDITIONAL EXPERIENCE

**St Paul's African Methodist Episcopal Church**, Lynbrook, NY, *Lead Guitar*

**May-Aug 2022**

**Joshua Lafazan 2021 Re-Election Campaign**, Roslyn, NY, *Volunteer*

**June-Aug 2021**

## SPECIALIZED SKILLS

**Programs:** ANSYS, Autodesk Fusion 360, Autodesk Inventor, MATLAB, Photoshop, Word, PowerPoint, Excel, Canva

**Languages:** Russian (fluent); French (intermediate)