

Reid Fleishman

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Project Portfolio: reidf.net

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EDUCATION

Cornell University | Ithaca, NY Expected May 2025

- Expected B.S. in Information Science, Minor in Entrepreneurship and Innovation
- GPA: 4.06; Cornell Engineering Joan and Irwin Jacobs Scholar; Outstanding Peer Advisor Nominee
- Selected for Cornell Engineering Leadership Certification Program (Spring 2023 – Fall 2023)

WORK EXPERIENCE

BloomX Rishpon, Israel
Software Engineering Intern Jun 2023 – Aug 2023

- Built two new major web dashboard features (authentication & real-time hardware testing) on the frontend & backend using **Angular**, **Flask**, **HTML**, **CSS**; improved performance & developed a fully responsive UI
- Enhanced product security by creating encrypted, regularly changing wireless passwords for connection to the Raspberry Pi; improved version management by switching from numbered versioning to **Git** commit hashes

Cornell University Ithaca, NY
Engineering Peer Advisor & Teaching Assistant Aug 2022 – May 2023

- Selected to teach a weekly Engineering Seminar class & advise 20+ freshmen in engineering academics/programs
- TA for *ENGR 1165 Climate Change and You, the Engineer*. Held office hours & ran activities for 50+ students

Ma'ayan Lab, Icahn School of Medicine at Mount Sinai Remote
Bioinformatics Intern | Project Presentation: [youtube.com/watch?v=4HZqDsilOlo](https://www.youtube.com/watch?v=4HZqDsilOlo) Jun 2022 – Aug 2022

- Processed/added Tabula Sapiens scRNA-seq data to the Tumor Gene Target Screener Appyter (**Pandas**, **Numpy**)
- Presented project at symposium; published in peer-reviewed *Aging Cell* and *Nucleic Acids Research* journals

Quarantine Tutors Remote
Solo iOS Developer | App Store Link: apps.apple.com/us/app/qtutors/id1546893198 Dec 2020 – Dec 2021

- Designed/developed frontend (**SwiftUI**) & backend (**Firebase**) of an iOS app to facilitate 4,500+ tutoring sessions

TEAM/LEADERSHIP EXPERIENCE

Engineers for a Sustainable World Cornell Ithaca, NY
Carbon Neutrality Team Lead Sep 2022 – Present

- [Leading four teams and projects](#) across 25 students to accelerate Cornell's goal of achieving carbon neutrality
- Developing a [dashboard](#) (**HTML**, **CSS**, **Plotly Dash**, **DynamoDB**) to monitor energy usage of 1500+ fume hoods
- Automated team-wide recruitment with **Python** scripts and **HubSpot** emails; saves 10+ hours each cycle

Cornell University Sustainable Design Ithaca, NY
"Currents" iOS App Lead Sep 2022 – May 2023

- Led a team to design (**Figma**) & develop (**SwiftUI**) an iOS app to control Cornell's HVAC system based on room occupancy; collaborated with stakeholders at Cornell & [demoed app](#) to Cornell Center for Technology Licensing

FIRST Robotics Competition Team 2638 Great Neck, NY
CAD Lead & Digital Media Lead; Dean's List Award Finalist Sep 2017 – Jun 2021

- Led operations/member training; grew team by 100+; created CAD course/WebDAV server; [redesigned website](#)

AWARDS/HONORS

Cornell University Student Sustainability Award, Member of the Year May 2023

- Proposed and designed a [student-facing utensil separation/sorting system](#) to improve dish room efficiency and working conditions, enabling the largest dining hall on campus to transition to reusable dishware

Regeneron ISEF Finalist, "Creation of a Machine Learning App to Facilitate Pancreatic Cancer Prediction" May 2021

- Cleaned data (**Pandas**, **Excel**); trained ML models (**TensorFlow**, **CreateML**); embedded in iOS app (**CoreML**)

SKILLS

Technical: Swift, SwiftUI, Xcode, Python, Pandas, Numpy, HTML, CSS, SASS, Bootstrap, JavaScript, TypeScript, Angular, Flask, SQL, Plotly Dash, React, NodeJS, DynamoDB, Firebase, APIs, Java, Git, Docker, Confluence, App Store dist., server/networking, Linux, Grafana, Tableau, TensorFlow, Keras, Scikit-Learn, CreateML, CoreML, CAD, HubSpot
Creative: UI/UX design, Figma, DSLR filming, Final Cut Pro, Premiere Pro, Microsoft Office, Apple iWork