

Daniel Y Rakowsky

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Education:

Case Western Reserve University (CWRU) **GPA: 3.54** 2019-Present
Biomedical Engineering Major, Polymer Science and Engineering Minor
Graduation 2024 with Co-Op

Skills:

Solidworks, Machine Shop, MATLAB, Prototyping, Microscopy, SEM, EDS, Profilometry
Leadership, Problem Solving, Scientific Writing, Communication, Public Speaking, Teamwork

Work Experience:

Case Western Reserve University Department of Materials Science and Engineering

Student Researcher for Dr. J. L. Gbur, PI, MDS-Rely - Team Lead August 2022-Present

- Optimized aerosol jet printing parameters for the requirements of sensors.
- Collaborated in experiment design and responsible for executing research plans.
- Presented progress and results bi-weekly to MDS-Rely funders.

Plast Ukrainian Scouting Organization -USA (PLAST)

Manager (Supplies, Food, Logistics) Boy Scout Watersports Camp August 2022

- Managed all food, gas, and boating equipment for a camp of 60+ participants

Cleveland Clinic Osteopathic Neuromusculoskeletal Medicine Division

CAD and 3D Prototyping Consultant for Dr. Z.T. Yang D.O. 2019

- Project: Sacral Anatomy Resources for Understanding Mechanics (SACRUM)
- Created 3D mesh of infant skeletal systems designed for prototype production

Awards:

Microscopy Society of Northeast Ohio/Society for Applied Spectroscopy

Annual Meeting Best Student Paper Award First Prize May 2023

CWRU Dean's Honors 2021, 2022, 2023

CWRU Dean's High Honors 2019, 2020

Extracurricular Leadership:

Case Men's Glee Club Elections Committee 2020, 2022

Case Men's Glee Club Bylaw Review Committee 2021

PLAST Instructor, Cub Scout counselor training program June 2019

PLAST Counselor & First Aid, Cub/Boy Scout wilderness camp July-August 2019-2022

Advanced Coursework:

Polymer Physics	Intro to Biomedical Materials	Differential Equations
Polymer Chemistry	BME Design Experience	BME Signals & Systems
Polymer Processing	Prin. of BME Design	Modeling of BME Systems
Polymer Properties & Design	Organic Chemistry II	Prin. of BME Instrumentation