

DANIEL FEINBLATT

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EDUCATION

DUKE UNIVERSITY, Durham, NC

May 2023

Double Major: BS Computer Science; BSE Electrical and Computer Engineering

Current Unweighted GPA: 3.84/4.0

Relevant Coursework: Data Structures & Algorithms, Fundamentals of Electrical & Computer Engineering, Computational Methods for Engineers, Engineering Design & Communication, Linear Algebra & Differential Equations, Multivariable Calculus

WEST ORANGE HIGH SCHOOL, West Orange, NJ

Jun 2019

Weighted GPA: 4.74/4.0

Honors/Awards: Valedictorian, National AP Scholar, Four Years on High Honor Roll, NJSIAA Student Athlete of the Year

Proficient Skills: Java, Python, Git, Fusion 360, Arduino, Circuit Construction and Analysis

Developing Skills: Front-end Web Design, HTML, CSS, JavaScript, Unity, C#, MATLAB

RESEARCH & LEADERSHIP EXPERIENCE

DUKE CENTER FOR METAMATERIALS AND INTEGRATED PLASMONICS, Researcher

Mar 2020–Present

- Develop position tracking system for portability of lab-developed RFID imager
- Meet weekly with lead researcher to discuss progress

NEW JERSEY INSTITUTE OF TECHNOLOGY, Biophysics Researcher/Lab Assistant

Jun 2017–Aug 2017

- Worked in laboratory under Professor Camelia Prodan
- Conducted research and tests on effect of patterns on gaps and waves in a two-dimensional wave tank
- Presented findings to professors and peers

TECHNOLOGY STUDENT ASSOCIATION, Vice President

Nov 2015–Jun 2019

- Organized, prepared for, and competed in annual robotics competition
- Built 18-foot-tall trebuchet to compete in Picatinny Arsenal “Pumpkin Chunkin” Competition
- Set weekly meeting agendas and coordinate five fundraisers on average each year

DAUGHTERS OF ISRAEL SERVICE PROGRAM, Participant to Assistant Coordinator to President

Oct 2015–Jun 2019

- Advised, coordinated, and mentored 36 West Orange High School freshmen volunteers and trained assistant coordinators
- Facilitated conversation between student and senior citizen partners to foster intergenerational connections
- Organized showcase where students presented senior citizens’ histories to families, town officials, and community members

WORK & VOLUNTEER EXPERIENCE

JERSEY MIKE’S, Crew Member

May 2019–Aug 2019

- Prepared made-to-order sandwiches, baked bread, prepped ingredients, stocked inventory, and manned register
- Learned and maintained certifications in multiple positions
- Followed company core values of Desire for Growth, Integrity, Compassion, Servant Leadership, and Positive Attitude

UNITED STATES SOCCER FEDERATION, Licensed Referee

Mar 2016–Nov 2019

- Officiated competitive youth soccer matches up to players Under-21
- Collaborated and communicated with other field officials to ensure safe, fair playing environment
- Managed coaches, players, and spectators
- Taught children rules and emphasized importance of sportsmanship in play

AMERICA READS AMERICA COUNTS, Tutor

Sep 2019–Dec 2019

- Tutored kindergartners and fourth graders in math and reading
- Taught young students the importance of receiving an education and served as positive role model

WEST ORANGE HIGH SCHOOL, Volunteer Tutor

Sep 2017–May 2019

- Tutored high school students in algebra, geometry, pre-calculus, calculus, and chemistry
- Taught effective study strategies to prepare for exams

UNITED SERVICE ORGANIZATIONS (USO), Volunteer

Mar 2017–Present

- Greet and assist active and retired military personnel at USO Center in Newark airport
- Check military identification
- Provide hospitality services and information

ACTIVITIES

Current: Duke Club Ice Hockey, Archery: Indoor & Outdoor Clubs

Recent: West Orange Varsity Ice Hockey, New Jersey Science Olympiad, Essex County Math League