

# REX PASTER

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## EDUCATION

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**Washington University in St. Louis, McKelvey School of Engineering** | St. Louis, MO **August 2025 – Present**

*Bachelor of Science*

Electrical Engineering

- GPA: 3.94/4.00
- Relevant course work: Linear Algebra, Java, MATLAB, Dynamical Systems Modeling, Calculus, Digital Logic, Computer Design
- Expected Graduation: May 2029

**Rochelle Zell Jewish High School** | Deerfield, IL **August 2021 – May 2025**

- GPA: 3.79/4.00
- Relevant course work: Java, Python, Digital Logic, Computer Design

## EXPERIENCE

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**Hybrid Body — Washington University in St. Louis Robotics** | St. Louis, MO **August 2025 – Present**

*Hardware Team Member*

- Prototyping Arduino based wearable systems leveraging haptics and robotic sensing for assistive technology applications for Alzheimer's patients

**QuarkNet Research Program — Fermilab** | Batavia, IL **April 2024 – August 2025**

*Research Team Member*

- Collaborated with a team of student researchers on particle physics research
- Analyzed global particle flux data from the I2U2 cosmic detector network using Google Sheets to find trends surrounding cosmic events
- Contributed to multiple posters presented at the 2025 AAPT Winter Physics Meeting

**Rochelle Zell Jewish High School** | Deerfield, IL **August 2023 – May 2025**

*Computer Science Teaching Assistant*

- Taught students in multiple Introduction to Python classes

**Robotics Club Co-President** **August 2023 – April 2024**

- Guided Students in exploring robotics & programming using software and hardware from the KISS Institute for Practical Robotics

**Glencoe Park District** | Glencoe, IL **August 2022 – August 2025**

*Year-Round Camp Counselor*

- Supervised and led summer camp groups of up to 20 kindergarteners, ensuring safety and engagement
- Managed children in grades K–6 in an after-school program, providing supervision and structured activities

**Am Shalom Synagogue** | Glencoe, IL **October 2021 – June 2024**

*Madrich (Teacher/Staff)*

- Provided administrative support as an Office Madrich, answering phone calls, monitoring the front desk, and assisting with day-to-day operations
- Guided students as a Classroom Madrich, supporting Jewish learning activities and facilitating classroom engagement

## ACTIVITIES

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**Rochelle Zell Jewish High School** | Deerfield, IL **March 2023 – May 2025**

*Track & Field Team Manager*

- Managed a team of 20+ athletes at large events while concurrently participating in athletic events
- Recorded and entered athlete records into Athletic.net
- Organized parent and athlete communication lists through Microsoft Office 365

**Mission: Wolf - Wolf Sanctuary and Education Organization** | Westcliffe, CO **July 2024 – July 2024**

*Volunteer*

- Volunteered with a group of teens to enhance and protect wolves' lives through enrichment activities, habitat maintenance, and fence construction
- Awarded Presidential Volunteer Group Service Award

**Voices: The Chicago Jewish Teen Foundation - JUF** | Chicago, IL **September 2023 – May 2024**

*Board Member*

- Raised and distributed \$50,000 to multiple charities
- Analyzed grant applications and conducted interviews to carefully allocate funds to organizations aligned with our group's mission

## SKILLS & INTERESTS

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- *Languages:* English (Native), Hebrew (Elementary)
- *Software & Programming:* MATLAB, Java, Python (Elementary), Microsoft Excel, Google Sheets, Microsoft Office, Google Ecosystem
- *Interests:* Digital Logic, Transportation Logistics & Systems, Sustainability, Climbing, Community Engagement