

ASHER GOODMAN

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EDUCATION

The University of Chicago, Chicago, IL

Bachelor's degree in Physics and Mathematics expected June 2028

Involvements

Varsity Cross Country, Varsity Track and Field

UChicago Space Program (Pulse-A CubeSat Division)

Menlo-Atherton High School, Atherton, CA

Diploma, June 2024

GPA: 4.11/4

Honors

AP Scholar with Distinction (2024), Rotary Award in the Industrial Arts (2024), CA State Seal of Biliteracy (2024)

EXPERIENCE

IFE STAR Internship at SLAC National Accelerator Laboratory

Research Intern, June 2025 - August 2025

- Conducted research within SLAC's HEDS division on inertial fusion energy (IFE)
- Developed Python-based data analysis methods to evaluate outcomes of high-rep-rate laser irradiation experiments
- Collaborated with mentors to solve technical challenges and communicate results across a multidisciplinary research team
- Presented research findings at the IFE SURE Summer Symposium in Washington, D.C., a national forum for undergraduate fusion research

UChicago Pulse-A CubeSat

Structures Engineer, November 2025 - Present

- Design structural and mechanical components for the Pulse-A 1U CubeSat using Fusion 360
- Utilize Ansys Structural to perform FEA on CubeSat components
- Manufacture frame components in machine shop
- 3D print visualization models
- Collaborate with an interdisciplinary team (mechanical, electrical, software, mission design, financing) to develop flight-ready subsystems

Fleet Feet (Running Store), Menlo Park, CA

Sales Associate, June 2022 - October 2024

- Communicated with customers to determine the shoe most suiting for their wants and needs
- Researched shoes and relevant biomechanics needed to recommend the right shoe to every customer

Boys and Girls Club, East Palo Alto, CA

Volunteer, August 2022 – August 2024

- Distributed food to 50+ community members in need with every session
- Ensured the safety of all attendees by providing guidance and instruction to incoming drivers
- Prepared all necessary supplies to ensure efficient distribution of resources

LEADERSHIP & ACTIVITIES

MAHS Jewish Student Union, Atherton, CA

President/Leadership Board August 2020 – June 2024

- Organized inclusive community meetings addressing hardships of the Israel-Palestine Conflict
- Communicated with board members to help mitigate biases arising in slideshows
- Celebrated Jewish holidays and initiated spirit events

SKILLS

Computer: Proficient in CAD (Fusion), Python, Microsoft Word, Excel, and PowerPoint

Languages: Conversational in reading and writing Spanish