

**[jacobbloch10@gmail.com](mailto:jacobbloch10@gmail.com)**

**248-763-3884**

**Farmington Hills, MI**

**48331**

## Skills

- Analytical skills
- Problem-solving skills
- Critical thinking
- Can play the Cello
- Computer-aided design (CAD)
- Mathematical skills
- Peer support
- Hard-working
- Attention to detail
- Quick learner

## Education and Training

### **Bachelor of Science:**

Mechanical Engineering

### **Miami University**

Oxford, OH

*Will be Attained May 2029*

### **High School Diploma:**

### **North Farmington High School**

Farmington Hills, MI

### **Lawrence Technological University**

Southfield, MI

# Jacob Bloch

## Summary

Motivated college student with a strong analytical mindset and proficiency in computer-aided design (CAD) and advanced mathematical concepts. Demonstrated leadership skills as a Teacher Assistant at Temple Shir Shalom, an Intern for Brainchild Engineering, and as an Eagle Scout Project Leader, successfully mentoring younger students and organizing complex projects. Known for a strategic, solution-focused approach, emphasizing accuracy and precision in all endeavors. Eager to embrace new challenges while supporting peers collaboratively.

## Experience

### **Brainchild Engineering - Intern**

*Novi, Michigan*

*Summer 2025*

- Performed Quality Testing on Automatic Shower Cleaner Product
- Organized the Manufacturing Assembly Line for the Automatic Shower Cleaner Product
- Built Several Automatic Shower Cleaner Product
- Updated Instructions Manual for Automatic Shower Cleaner
- Made Tutorial Videos on how to build Automatic Shower Cleaner
- Led & Taught a group of Newer Interns on how to build Automatic Shower Cleaner Product
- Learned how to use Laser Cutter Machine
- Made Designs for a Chicken Nugget Maker Product

### **Boy Scouts of America - Troop 755-Eagle Scout Project Leader**

*Northville, Michigan*

*October 2024 - March 2025*

- Led a team to construct a sukkah for Temple Shir Shalom's Sukkot celebration.
- Managed project planning, fundraising, and volunteer coordination.
- Developed leadership, communication, and teamwork skills.
- Maintained records of volunteer hours and donations for the project.
- Organized resources and materials to complete the project on time.
- Supervised volunteers during project implementation.
- Developed, coordinated, and executed Eagle Scout project plans.

### **Temple Shir Shalom - Assistant Teacher**

*West Bloomfield, USA*

*September 2019 - May 2025*

- Assist in leading classroom activities for younger students.

- Help students understand lessons, and reinforce key concepts.
- Provide support to teachers in managing student engagement.
- Arranged daily classroom materials.
- Supervised small group activities.
- Worked with students to reinforce learning of material or skill introduced by the teacher.

## Accomplishments

- Eagle Scout - Boy Scouts of America
- MITES Engineering Competition - 2nd Place

*References are available upon request.*