

22 Trailridge Court  
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# Sean Michael Pauly

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## OBJECTIVE

Ambitious and innovative aspiring neurologist and AI entrepreneur passionate about merging neuroscience and artificial intelligence to develop cutting-edge biomedical solutions. Skilled in programming, software development, and AI project management. Proven leadership and organizational abilities through roles in the Mayor's Youth Advisory Task Force and various tech projects. Seeking opportunities to leverage technical skills and scientific knowledge in a dynamic, growth-oriented environment.

## SKILLS

Technical Skills:

- Programming Languages: JavaScript, Java, Python, Dart, HTML, CSS
- Laboratory Techniques: Micropipetting, streaking bacteria, plating, agar preparation, colony counting, using microscopic tools, chart interpretation

Soft Skills:

- Strong communication
- Problem-solving
- Teamwork
- Initiative

## EXPERIENCE

**Hendricks BBQ, Saint Charles, MO 63301** – *Various Roles (Host, Kitchen Staff, Server)*

June 13, 2022 – PRESENT

- Hosted guests, ensuring a welcoming environment and efficient seating arrangements.
- Maintained cleanliness standards, including restrooms and windows.
- Prepared food and handled kitchen tasks, ensuring high-quality meals.
- Served and ran food, providing excellent customer service.
- Used a tablet to track server assignments and manage workflow.
- Encouraged guest satisfaction and return visits.

## EDUCATION

### **Orchard Farm High School, Saint Charles, MO 63301** – *High School Diploma*

Graduation Year: 2024

Achievements: Played varsity soccer, competed in FBLA, DECA, and HOSA, and organized Mental Health Week, fundraisers, and care drives.

### **The University of Health Sciences and Pharmacy, Saint Louis, MO 63110** – *Bachelor's in Biomedical Sciences (in Progress)*

Expected Graduation Year: 2028

## PROJECTS

The Effective Anti-Bacterial Spray: Weight Room Equipment

Conducted research on the effectiveness of anti-bacterial spray on weight room equipment, focusing on barbells.

- Technologies Used: Laboratory skills including agar creation, plating, streaking, incubation, and colony counting.
- Key Outcomes: Found that the anti-bacterial spray had a significant effect. Gained valuable experience in teamwork and research methodologies over a year-long period.

## EXTRACURRICULAR ACTIVITIES

### **Mayor's Youth Advisory Task Force** – *Member*

- Organized Mental Health Week, bringing together three Saint Charles schools to compete in a fundraiser for ACPD, a mental health organization.
- Coordinated care drives for middle schools and fundraisers for high schools to support mental health initiatives.

## VOLUNTEER EXPERIENCE

### **Mayor's Youth Advisory Task Force** – *Volunteer*

Volunteered at the Oktoberfest 5K and 10K run for DASA

### **FBLA** – *Volunteer*

Managed a water station at the Missouri Cowbell event

### **National Honor Society** – *Volunteer*

Accumulated over 100 hours of service and volunteer experience (Foodbank of St. Louis, School Activities, and Community Initiatives)