



# Jacob Berger

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## EDUCATION

### **Oregon State University Honor's College** Bachelor's of Science in Applied Computer Science, Bachelor's of Science in Computational Mathematics

September 2022 - June 2026, Corvallis, Oregon

Concentration in Artificial Intelligence

GPA of 3.9+

**Relevant Coursework:** Applied Differential Equations, Linear Algebra II, Advanced Calculus II, Vector Calculus II, Analysis of Algorithms, Software Engineering II, Modern Algebra, Intro to AI

## EXPERIENCE

### **AI Startup with OSU's STAR Research Lab, Corvallis, Oregon** — *Language Model and Software Engineer*

March 2023 - Current

Developed language model pipeline to train and deploy

Collaborated with a research team to lead the writing of an SBIR proposal

Built website infrastructure to host our service

### **MU Lanes and Games, Corvallis, Oregon** — *Mechanic, Head Mechanic*

December 2022 - Current

Maintained bowling alley machines and equipment

Worked with mechanics and management team to solve a variety of problems

Organized large-scale projects in maintaining and enhancing the center

### **MU Student Activities and Advisory Board, Corvallis, Oregon** — *Vice-Chairman*

June 2024 - Current

Oversaw budget preparation for OSU's Memorial Union

Managed board members and facilitated high-level MU meetings

## SKILLS

### **Programming Languages**

Python, C++, Java, Javascript, x86 Assembly

### **Machine Learning and AI**

Open-source LLMs, PyTorch, LLM Fine-tuning, LLM APIs

### **Software**

Linux, Git, AWS, Wordpress

### **Fluent in Spanish**

9 years of Spanish immersion

## AWARDS

### **Putnam Math Competition Award**

Top 3 Oregon State University Finisher

### **Finley Academic Excellence**

\$20,000 scholarship for Oregon State

### **Lakeridge High School Math Merit Award**

Awarded to only two students in the 1000 student class

## EXTRACURRICULARS

### **Competitive Math**

Oregon State Putnam and COMAP Competitions

State Mathcounts Competitor

### **Competitive Bowling**

Founded the Oregon State University National Collegiate Bowling Team

All-Star individual qualifier

### **Rowing**

Rose City team leader

2-time national qualifier