

# VISHNU MENON

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## EDUCATION

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### Drexel University

September 2023 – Present

Bachelor of Science in Computer Science, Minor in Artificial Intelligence

Philadelphia, PA

- **Honors:** Pennoni Honors College, Dean's List (All Quarters)
- **Organizations:** Machine Perception and Learning Lab, Drexel IEEE, The Triangle
- **GPA:** 3.71/4.00

## EXPERIENCE

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### Zhou Robotics Lab

January 2023 – Present

Undergraduate Researcher

Philadelphia, PA

- Works directly with Professor Lifeng Zhou to research applications of **Artificial Intelligence in robotics**
- Secured a **\$2000 grant** to write a paper on multi-agent flocking behavior with LLMs
- Wrote code for a **custom-built drone** for the annual *Defend the Republic* competition at Lehigh University

### Computer Science Club

August 2020 – June 2023

Co-President

Berwyn, PA

- Organized members in weekly meetings and directed workshops in several topics in the field of Computer Science
- Built and maintained digital infrastructure, including a website; using GitHub for version control
- Organized two hackathons; garnered 180+ participants and **raised over \$4000** to cover costs

## PROJECTS

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### Thunderhead | Kotlin, Java, SQL, Rust

August 2019 – January 2023

- Created a verified multi-purpose Discord bot **in use by more than 5000 users** across over 100 servers
- **Led a group of maintainers**, employing Agile methodologies to effectively triage and resolve bugs while streamlining development

### Courseboard | VueJS, HTML/CSS

October 2023

- Created a site to serve as a central dashboard for university courses and their associated information; in use by several students in schools across Pennsylvania


### Future Strike HD | C#, Godot

July 2021

- Developed a multiplayer platform fighting game, creating all art assets and music, achieving **over 91% positive player feedback** at demos

## PUBLICATIONS

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P. Li, **V. Menon**, B. Gudiguntla, D. Ting, and L. Zhou (2024). "Challenges Faced By Large Language Models In Solving Multi-Agent Flocking." <https://arxiv.org/abs/2404.04752> 

## AWARDS

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**2024 PGM Global Game Jawn (Overall Winner)** 

January 2024

**Philly Codefest 2024 (3rd Place)** 

April 2024

## SKILLS

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**Languages:** Java, Python, Rust C#, C++, JavaScript, SQL, HTML/CSS

**Developer Tools:** Git, Bash, Visual Studio, VS Code, Pycharm, IntelliJ, Vim

**Technologies/Frameworks:** Linux, Flutter, Vue, React, Latex