

Patrick Sweet

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EDUCATION

University of Delaware College of Engineering Masters in Artificial Intelligence Relevant Coursework: Machine Learning; Artificial Intelligence; Algorithm Design and Analysis; Natural Language Processing; Multi-Agent Systems; Autonomous Driving; Robotics	Newark, DE May 2027	University of Delaware College of Engineering Bachelor of Science in Computer Science with a Concentration in AI and Robotics GPA: 3.40 Dean's List: Spring 2024 Relevant Coursework: DevOps & Software Engineering; Computers, Ethics and Society; Computer Vision; Database Systems; Parallel Computing	Newark, DE May 2026
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TECHNICAL SKILLS

- Languages: Python, C++, C, C#, Lua, Typescript, JavaScript, Java, Swift, SQL
- Software: Visual Studio Code, Visual Studio, JetBrains IDEs, Eclipse, GitHub Desktop
- Frameworks: PyTorch, TensorFlow, Cuda, Scikit-learn, React

EXPERIENCE

TCGspot <i>Founding Member, AI and Backend Developer</i> <ul style="list-style-type: none">• Developed state-of-the-art trading card detection and matching algorithm• Designed user-focused UI/UX for our IOS app• Trained ML models on AWS EC2 instances• Designed structure and organization of codebase	Hybrid, Newark, DE July 2025 - Present
University of Delaware <i>DevOps & Software Engineering Undergraduate TA</i> <ul style="list-style-type: none">• Creating and managing the UD Computer Information Sciences Discord bot with over 500 active users• Managing the database that stores all user information• Helping students debug and brainstorm ideas for their additions for the Discord bot• Creating an engaging and welcoming environment for all students• Designing class structure and material to help improve the current and future semesters of the class	Newark, DE Feb 2025 - Present
West Chester East High School <i>Marching Band Percussion Director, Arranger, and Sound Designer</i> <ul style="list-style-type: none">• Guided 40+ students to excel and achieve greatness in the marching arts• Managed \$10,000+ worth of instruments, including repair and upkeep• Designed and wrote a creative and impactful performance• Worked and collaborated alongside 6 other staff members to lead the band	West Chester, PA July 2024 - Present
West Chester East High School <i>Marching Band Percussion Technician and Battery Arranger</i> <ul style="list-style-type: none">• Taught a dozen students to achieve their best possible performance• Excelled in writing music that challenged and intrigued students• Ranked 5th out of 20+ high schools in our competitive class	West Chester, PA July 2023 - November 2023