

Sean P. May

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EDUCATION

Northeastern University Khoury College of Computer Sciences , Boston, MA	Sep. 2022 - Present
<i>Candidate for Bachelor of Science in Computer Science and Mathematics</i>	Expected May 2027
Cumulative GPA: 3.64 / 4.0 Honors: Dean's Scholarship, Dean's List, Fall 2024 & Spring 2025	
Activities: Bridge to Calculus Tutor, Calculus Field Day Volunteer, Math Club, Putnam Club, Running Club	
Relevant Coursework: Artificial Intelligence, Matrix Methods in ML, Algorithms & Data Structures, Object-Oriented Programming, Computer Systems, Probability & Statistics	
Dialogue of Civilizations Mathematical Heritage of Budapest , Budapest, HU	Jun. – Aug. 2025
Relevant Coursework: Number Theory, Exploration of Modern Mathematics	

EXPERIENCE

NExT Consulting	Boston, MA
Software Engineering Co-op	Sep. – Dec. 2025
<ul style="list-style-type: none">Gaining startup-like experience, working in Agile teams to consult and deliver solutions to industry partners.AI Advisor HITL RAG LangChain Conducting thorough R&D into all areas of AI to create proactive workflow-augmenting tools, enhancing the capabilities of academic advisors and improving student experience.AI Project Mentor Node.js FastAPI SupaBase Vercel OpenAI API Designed and deployed a full-stack platform that provides personalized guidance for novice computer science students to go from zero personal projects to one, from ideation to portfolio creation.	
General Dynamics Electric Boat	Groton, CT
Software Development Co-op	Jan. – Jul. 2024
<ul style="list-style-type: none">Initiated a project to automate database accuracy, utilizing ServiceNow's REST API, resulting in reassignment and enhancing the tracking of nearly 1000 company assets, saving the company \$10,000+ monthly.Automated XML transformation testing for the Software Development team using Python and Batch scripting, presenting results in easily digestible format, allowing for efficient review and reformatting.	
Northeastern University Systematic Alpha	Boston, MA
Junior Research Analyst	Sep. 2025 - Present
<ul style="list-style-type: none">Gaining hands-on experience in quantitative research and development through real-world projects and studies.	

PROJECTS

Human Digit Classification Python JavaScript HTML PyTorch Machine Learning 	Jan. – Mar. 2025
<ul style="list-style-type: none">Developed a computer vision web app demonstrating CNN capabilities for real-world applications.Applied novel approach, using two models to first create a bounding box, then classify number of digits.Engineered image annotation tool to streamline data labeling, allowing for creation of own datasets.	
No-Limit Hold-em Alpha-Beta Pruning Python NumPy 	Aug. – Dec. 2024
<ul style="list-style-type: none">Employed adversarial search to navigate and solve game tree, with alpha-beta pruning to reduce complexity.Applied Monte Carlo simulation, hand bucketing, and a probabilistic hand range model to greatly reduce game space, as well as transform NLHE into a complete-information, deterministic game.	
Linux Shell C Data Structures Concurrency 	Oct. 2024
<ul style="list-style-type: none">Reconstructed a fully operational Linux Shell program in C, replicating command execution, signal handling, etc.Implemented piping, input and output redirection, and sequential command execution using child processes.Created custom commands, such as source, prev, cd, help, and a verbose toggle for debugging purposes.	

SKILLS

Part-Time Work:	Semi-Professional Poker Player, Computer Science Tutor
Languages/Frameworks:	Python, Java, C, TypeScript, JavaScript, Next.js & React, HTML & CSS, Swift
Tools & Libraries:	Git, Linear, PyTorch, NumPy, Pandas, Matplotlib, NeoVim, JupyterLab

Interests

Brain Teasers | Game Theory | Poker | Chess | Français | Track & Field | Triathlon | Skiing | Sports Science