

Noah Trupin

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| Education | Purdue University Candidate for Bachelor of Science in Computer Science Coursework Includes: Calculus | West Lafayette, IN May 2027 |
| | The Lawrenceville School Graduated with High Honors; SAT: 1520 | Lawrenceville, NJ May 2023 |
| Experience | MEGA League <i>Project Lead Developer</i> <ul style="list-style-type: none">• Developed the original website for MEGA.• Organized MEGA's inaugural hackathon in April 2022, attended by hundreds of students both virtually and in-person from over 20 schools located around the world.• Communicated and facilitated partnerships with over 30 schools and NGOs to bring speakers, prizes, and other opportunities to hackathon participants. | Princeton, NJ November 2021-April 2022 |
| | CodeItForward <i>Teacher, Program Organizer</i> <ul style="list-style-type: none">• Taught internet literacy and the basics of web development to ~24 elementary and middle school students from under-resourced schools in Lawrence Township.• Designed and executed weekly lesson plans that taught participating students in fun, engaging ways over 10 weeks. | Lawrence, NJ November 2021-March 2022 |
| Projects | Sentinel Interactive Simulation Framework <i>Advisor: Dr. Keith Voss, The Lawrenceville School</i> Developed a framework for students to build web-based simulations for display on screens throughout The Lawrenceville School's Kirby Match and Science Center, providing an interactive interface and student developer API. | Lawrenceville, NJ March 2023-Present |
| | Paradigm for Future Analysis of Shipetaukin Creek Water Quality <i>Advisor: Dr. Stephen Laubach, The Lawrenceville School</i> <i>Collaborators: Witt Phillips, Yale University</i> Implemented a Python program to analyze and generate reports on temperature, depth, and conductivity data from numerous sites throughout Pennsylvania in coordination with the Stroud Water Research Center. The program generated a model for the future behavior of the Shipetaukin Creek, an EPA-classified endangered river. | Lawrenceville, NJ December 2021-May 2022 |
| Leadership | The Lawrence (Weekly High School Newspaper) <i>Web Editor</i> <ul style="list-style-type: none">• Developed the website for the publication, complete with a web portal for editors to upload and edit articles, search functionality, and subscription management.• Uploaded articles, graphics, and issue PDFs from an 8 to 16-page issue each week to maintain content parity with printed issues and maintained a catalogue of artists and writers associated with the publication.• Mentored 4 web associates, teaching them principles of web development through hands-on experience with the website. | Lawrenceville, NJ March 2022-April 2023 |
| | <i>Web Associate</i> | September 2021-February 2022 |
| | Lawrenceville Programming Club <i>President</i> <ul style="list-style-type: none">• Restructured the club to fit the needs of visiting students and students in programming classes by creating branches associated with each course alongside introducing tutorial-based beginner and project-based advanced sections.• Facilitated connections with other on-campus organization (such as Girls Who Code, Big Data & AI @ Lawrenceville, and The Lawrence) to offer club members experiential opportunities that appeal to their interests. | Lawrenceville, NJ April 2022-April 2023 |
| | <i>Board Member, Systems & C Branch Leader</i> <ul style="list-style-type: none">• Created three trimester-long curricula and demonstrations introducing new students to C programming while advancing returning students down paths of application development, kernel programming, compiler construction, or game development. | April 2021-April 2022 |
| | <i>Member</i> | September 2019-April 2021 |