



Dylan Ryan

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[LinkedIn](#) | [Github](#) | [Personal Website](#)



EDUCATION

The Ohio State University, Honors College

Double Major: Computer Science and Engineering; Applied Mathematics

- GPA: 4.000
- Recipient of Governor's and Maximus merit scholarships

Columbus, OH

August 2024 – May 2028

Bexley High School

- 35 ACT score. 36 math, 36 science, 35 writing, 34 reading
- 6 AP exam scores with grade 5, 4 AP exam scores with grade 4
- Summa Cum Laude, weighted GPA 4.70

Columbus, OH

August 2020 – May 2024

WORK EXPERIENCE

Ohio State University

Research Intern, AIDRIN

- Implemented parallel structure task execution using Celery, Redis, and Flask
- Redesigned frontend to streamline UX/UI and increase performance using JavaScript, HTML, and CSS
- Expanded supported file types from CSV to include Excel, NumPy, HDF5, and JSON using Pandas

Columbus, OH

November 2024–Current

ACTIVITIES & INVOLVEMENT

Scarlet Investment Group

Quant team member

- Met weekly with group members to discuss the state of the market, current events, and team portfolio
- Created a heatmap visualization of a stock's Black-Scholes model using Python, NumPy, and Pandas.

Columbus, OH

September 2024 – Current

Pi Kappa Phi

Active Member

- Attended weekly chapter meetings and philanthropic events. Participated in 60 hours of community service

Columbus, OH

January 2025 – Current

PROJECTS AND INDIVIDUAL WORK

- Task manager desk lamp: 3d printed using SolidWorks, this desk lamp connects to my OSU dashboard with light level reflecting the relative completion of daily tasks.
- Light Board: 3' x 2' light matrix made using 330 neopixel leds configured in a 22 x 15 matrix. Programmed in C++ and ran through an Arduino Uno WIFI that allowed for toggling on iPhone and customization over air. Used a parallel power structure that ensured a regulated 5.0 V 2.4 A current ran across the entire system. Housed in a wood and diffused via frosted plexiglass.

SKILLS AND INTERESTS

Languages: Java, C, C++, HTML, CSS, MATLAB

Hobbies: Pencil drawings and acrylic painting. Goal is to represent complex beauty and express emotions

Reading: Goal is 1 book a month. I enjoy mysteries most. My favorite is Murder on the Orient Express

Gym: Go to the gym 3 times a week and run 3 times a week, actively find ways to improve general health

