

DR



Location

Columbus, OH

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Dylan Ryan

Freshman Computer Science and Engineering student at the Ohio State University. Proficient programmer specializing in Java. Fluent in C/C++, MATLAB, Excel.

Education

The Ohio State University | Columbus, OH

Currently studying Computer Science and Engineering with a minor in Mathematics. Working towards a 2.5-year completion of the BS program.

Academic Achievement

Bexley High School | Columbus, OH

- 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 4.68

Key skills and characteristics

- Proficient in High-level languages - Java, C/C++
- Advanced knowledge of Adobe Creative Cloud (Photoshop, Illustrator, Lightroom)
- Strong attention to detail in creating efficient, easily understood programs
- Open-minded attitude with a keen willingness to learn

Project Work

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.

Volunteer and Research Experience

- Tutored math (algebra, geometry, trig, calculus) to peers in need between 2022-2024 for a total of 60 hrs
- Conducted a multi-school 2500+ response quantitative survey as a part of the OSU Student Leadership Research Collaborative team to diagnose causes for student academic stress. Presented findings and potential solutions to superintendent and school board.