

## Objective

To obtain an internship as a plant operations engineering intern at Dole Food Company

## Education

**Dayton Regional STEM School** Aug 2016–present

- Expected Graduation: May 2023
- 4.0 unweighted GPA

# Nathan Varghese

## Contact Me

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- 🌐 <https://portfolios.daytonstemschool.org/varghesell>

## Certifications

**ToolingU | SME Additive Manufacturing Credential, DRSS** Sep 2021 – Jan 2022

- Completed 16 modules and passed the final exam as of January 2022
- Industry recognized
- Acquired knowledge in different types of additive manufacturing, materials used, the design process, how to operate machines, and safety standards

## Honors

**National Honor Society (NHS) Nominee** Oct 2021

- Eligible through GPA

**High Honor Roll** Aug 2019 – present

- 4.0 unweighted GPA every quarter and year of high school

## Leadership

**Junior Leadership Dayton (JLD)** Aug 2021 – Apr 2022

- Built leadership skills through service projects and visiting various non-profits in the Greater Dayton Area
- Met with community leaders including the new City of Dayton mayor Jeff Mims, State Board of Education Charlotte McGuire, and Health Commissioner Jennifer Wenzel

**Students Lead Dayton (SLD)** Fall 2019, Fall 2021

- Participated in a one-day leadership conference listening to different presentations from local vendors and community leaders and in breakout sessions
- Learned to network and took part in networking with school partners at the event

**DRSS Student Ambassador** Aug 2018–present

- Lead prospective students, parents, business partners, and educators from around Ohio on tours around the school showcasing curriculum, specific grade level projects, and answering questions
- Improve public speaking, professional, and effective communication skills

## Experiences

**OSLN Design Challenge, DRSS** Nov 2021 – Dec 2021

Ohio STEM Learning Network Design Challenge

US Gov, Technical Reading & Writing, Honors Pre-Calculus

- Conducted extensive research, in a group of three, into a societal issue of our choice; lobbying
- Created daily meetings, minutes, and a memo outlining the group's project progress to the teachers
- Acquired feedback from experts in the field, including Kim Mortenson, a project proposal manager at KBR, a defense contractor
- Compiled data, created graphs, and created a proposal solution to the issue, and presented to the class

**Career Exploration Report, DRSS** Oct 2021 – Nov 2021

Technical Reading and Writing

- Conducted extensive research into two career fields of interest; chemical engineering and physician assistant
- Composed a report written in technical syntax
- Enhanced technical writing and research skills

**Science Fair, DRSS**

Oct 2021 – Mar 2021

Honors Biology

- Carried out a research project on aortic valve stenosis (AVS), and aortic valve replacement/repair (AVR)
- Compiled sources into annotated bibliographies
- Wrote a paper on AVS and AVR addressing topics such as possible treatments, similar illness, surgeries/operations, and solutions to AVR
- Passed school, county, and made it to state science fair with a score of Excellent

**HTML & CSS Portfolio Project, DRSS** Aug 2017 – present

STEM Foundations (6th–8th), Advisory (9th – present)

- Learned the coding languages of HTML and CSS to create a portfolio showcasing various projects, personal experiences, etc.
- Strengthened public speaking skills through end-of-the-year portfolio presentation to peers, parents, and teachers for a grade