

TRAVIS YANG

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EDUCATION

- Michigan State University**, East Lansing, MI May 2025
- Majoring in Biochemistry and Molecular Biology/Biotechnology
 - Lyman Briggs College
 - Residential science-focused college within the university.
 - 3.82/4 GPA
 - Dean's List
- Okemos High School**, Okemos, MI June 2021

RESEARCH EXPERIENCE

- Promega** May 2024-Present
Biotechnology Company
- Associate Product Manager Intern
 - Interned on the genomics and instruments team
 - Lead and initiated a project on creating a rent-to-buy program
 - Assisted on sale lead qualification and follow up
 - Competitive analysis
 - **Technical Skills:** PowerBI, CRM, SAP
- Corteva Agriscience** May 2023 -August 2023
Large Agricultural Company
- Trait Development and Optimization summer intern
 - Conducted research on transgene expression
 - Project: Discovering the effect various genes may have on plant phenotypes in *Nicotiana Benthamiana* expressing insecticidal transgenes.
 - **Technical skills:** Qiagen miniprep, gel electrophoresis, DNA extractions, Gateway Cloning, top10 cell transformation, ligations, vector construction, QC gel digest
 - End of internship Powerpoint presentation and poster presentation
- Pairwise** May 2022-August 2022
Plant Biotechnology Company
- Intern on the Delivery Technology team under Drs Matthew Willman, Qingchun Shi, and Zoe Dubrow
 - Conducted research on transgene free delivery of genetic material and removal of viruses from plants post virus mediated transformation
 - **Technical skills:** Plate transfers, media making, biolistic bombardment transformation, raspberry seed germination, plate reader assay, *nicotiana benthamiana* infiltrations, aseptic technique
 - Caneberry tissue culture and petiole regeneration tissue culture
 - Proficient in Benchling LIMS system
 - Microscopy skills
 - Viewed different fluorescent under fluorescence microscope and recorded images
 - Reviewed and analyzed pictures from confocal microscope
 - Trained and worked under USDA virus handling
- Michigan State University** Summer 2019-Present
- Dr. David Douches, Plant Soil and Microbial Sciences, research in potato breeding and genetics.
 - Conducting transformation research on several varieties and constructs for potato and tomato.
 - Previously worked on a project determining late blight resistance for a potato species.

- **Technical skills:** agrobacterium mediated transformation, PCR, detached leaf inoculation assay, media-making, plant propagation/tissue culture, in-vitro seed germination, chloroplast counting, virus strip testing, tuber extraction and growing, and aseptic technique.
- Spearheaded a project on creating a fungicide media for the lab.
- Assisted in the management of a potato bank containing over 5000 individual samples in cold storage.
 - Quality control: determined what samples needed to be changed, redone.
 - Developed and implemented color and symbol organization systems.
- Helped to train undergraduate assistants.
- Spent time in barn, greenhouse, and growth chamber facilities, gaining experience in planting, sprout collection, bud/node collection, and other various maintenance tasks.

AWARDS/HONORS/CERTIFICATIONS

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| ● Human Research-Social-Behavioral Educational Researchers | January 2023 |
| ● Michigan Competitive Scholarship | |
| ● USDA virus training | May 2022-August 2022 |
| ● US EPA Worker Protection Standard; certified agricultural worker in pesticide safety. | Summer 2018 |
| ● Training in Chemical Hygiene, Laboratory Safety, Hazardous Waste, and Biosafety. | October 2021 |
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EXTRACURRICULARS

- Squad leader in the mellophone section of the Michigan State Marching Band
 - 12-20 hours a week of practice