

BAJA BUCKEYES

BAJA BLAST

• The Ohio State University Baja Buckeyes •

• 2023 Baja SAE Competitions •

In 2023, the Baja Buckeyes went to two SAE sanctioned competitions with their newest car: Scarlet. The Spring competition was located near Portland, Oregon, at the Washugal MX Park. Also, the team competed with a homefield advantage in Nashport, Ohio at Briarcliff MX Park. The results are as follows:

Baja SAE Oregon:

- Overall: 16th
- Maneuverability: 10th
- Endurance: 17th
- Hill Climb: 22nd
- Cost: 23rd
- Acceleration: 25th
- Design: 25th
- Rock Crawl: 38th
- Sales: 60th



Baja SAE Ohio:

- Overall: 16th
- Endurance: 10th
- Sled Pull: 11th
- Suspension: 12th
- Design: 17th
- Cost: 20th
- Acceleration: 21st
- Maneuverability: 21st
- Sales: 47th



• 2024 SAE Competitions •

In 2024, the Baja Buckeyes are excited to attend two SAE sanctioned competitions in the Spring. The team will be attending Baja SAE California in April and Baja SAE Pennsylvania in May. Due to the added cost of attending the California competition, the team is on a push for new sponsor relationships.

Baja SAE California



Baja SAE Pennsylvania





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• Upcoming Alumni News •

The Baja Buckeyes have a supportive crew of alumni that they would love to get involved in the current team. There are many exciting ways for Alumni to get back into the Baja Buckeyes spirit. The Baja Buckeyes are hosting an Alumni Track Day, allowing alumni to revisit the cars they helped design. Another way alumni can give back to the program is participating in Ohio State's 2023 Triple Match for donations. Also, the Baja Buckeyes would love to form sponsorship relationships through our professional alumni network.

Alumni Track Day:

On November 12th, 2023, the first annual Alumni Track Day will be held at the Baja Buckeyes Test Track near Godown Park. The team is excited to host alumni from 12:30 p.m. to 3:30 p.m. The entry fee to participate is a donation of your choice to the Baja Buckeyes through our official website.

Triple Match:

On November 8th, 2023 starting at 12:00 a.m. all graduates from the Ohio State College of Engineering from 2019 to 2023 and current students can donate up to \$250 to the triple match fund located on the Baja Buckeyes webpage and their money will be tripled by the university.

Company Sponsorships:

The Baja Buckeyes are looking to expand their sponsorship relations with new companies from our Alumni Network. If your company would be interested in supporting our engineer's developments, please reach out!



• Merch Drop •

This year we are opening our merchandise ordering to Alumni and Sponsors! Look on our website to fill out an order form by November 6th.

This Year's Custom Design T-Shirt:



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• Meet the Team Leads •

The Baja Buckeyes are split into seven separate teams that come together to design the car and manage the team. These teams are lead by innovative engineers that put in countless hours to ensure the car is up to the standard that Baja Buckeyes sets. These teams are Ergonomics, Drivetrain, Suspension and Steering, Frame, Brakes, Business and Data Acquisition. The overall team goals and management is done by our President, Chief Engineer and Treasurer.

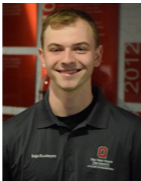
President:

This year's team President is Bradley Ott. This is his 4th year on the team and he spent the first three as a team member and Lead of the Frame Team. Bradley graduates in the Spring of 2024 with a Mechanical Engineering Degree and is looking for a full-time job for after graduation. He has worked with Battelle, Stellantis, and Brot during his career at Ohio State. He is interested in a career in testing in the defense industry.



Chief Engineer:

This year's team Chief Engineer is Solomon Goodin. This is his 3rd year on the team and he spent the first two as a team member and Lead of the Drivetrain Team. Solomon graduates in the Spring of 2024 with a Mechanical Engineering Degree and is looking for a full-time job for after graduation. He has worked in operations and maintenance at BASF during his career at Ohio State. He is interested in a career in design in the defense industry.



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Treasurer and Ergonomics Lead:

This year's team Treasurer and Ergonomics Lead is Elyse Anadel. This is her 4th year on the team and she spent the first three as a team member of the Ergonomics Team and Lead of the Business Team. Elyse graduates in the Fall of 2024 with a double major in Psychology and Criminology/Criminal Justice with a minor in Slavic and Eastern European Languages and Cultures. She will be attending an accredited Law School after graduation. The Ergonomics Team is optimizing driver comfort and safety. We have also been researching different methods of data analysis to use for finite element analysis to support the decisions of materials we choose to use for the seat and steering wheel grips.



Business:

This year's Business lead is Allison Saas. This is her second year on Baja and she graduates with a Mechanical Engineering Degree in the Fall of 2023. She spent her first year on baja as a Suspension Team member. She will be working for General Dynamics Electric Boat after graduation and has completed internships at BAE Systems and Ariel Corporation. The Business Team is in the first semester push for sponsorships and fundraising. We will release an apparel order for alumni, new members and sponsors in the next few weeks.



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created by: Allison Saas

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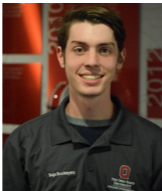
Suspension and Steering:

This year's Suspension and Steering Lead is Will Schneider. This is his 3rd year on the team and he spent the first two as a Suspension Team member. Will graduates in the Spring of 2024 and is looking for a full-time job. Throughout his career at Ohio State, will has worked Honda, Honda Powersports and Cleveland-Cliffs. Will is interested in a position in testing in the automotive industry. The suspension and steering team is currently finalizing suspension points for the current build year in order to begin working on CAD. Also tuning in previous vehicles for testing and research projects.



Drivetrain:

This year's Drivetrain Lead is Edward Dominek. This is his second year on Baja and he graduates in the Spring of 2025 with a Mechanical Engineering Degree. Edward is currently looking for internship opportunities and is interested in a design position in the automotive industry. The drivetrain team is currently designing drives shaft for four wheel drive from last year's chain drive design. The rear axles are being redesigned to change from steel to aluminum to lightweight the design and designing the hubs around improved sprag bearings.



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Frame:

This year's Frame Team Lead is Ethan Larger. This is his 2nd year on the team and he spent the first year as a Frame Team member. Ethan graduates in the Spring of 2026 with a Mechanical Engineering Degree and is looking for internship opportunities. Ethan is interested in a position in design in the automotive industry. Currently, the Frame Team is working on manufacturing the torsional jig to validate this years frame, creating a the frame welding jig and conducting preliminary research on a plasma tube notcher.



Brakes:

This year's Brakes Team Lead is William Brabrand. This is his 2nd year on the team and he spent the first year as a Brakes Team member. William graduates in the Spring of 2025 with a Mechanical Engineering Degree and is looking for internship opportunities. He is interested in a position in R&D in the defense industry. William completed an internship at Newport News Shipbuilding. Currently, the Brakes Team is working on brake calculations and design concepts to select master cylinders and calipers. The team is also working on fixing previous years rotors that yielded at this past year's competition and redesigning the driver input pedals.



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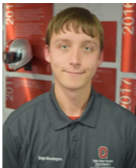
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Data Acquisition:

This year's DAQ Team Lead is Luke Whitman. This is his 3rd year on the team and he spent the first two years as a DAQ Team member and Lead. Luke graduates in the Spring of 2024 with a Civil Engineering Degree and will be continuing his career at the Ohio Department of Transportation. Currently, the DAQ team is working on fixing communications between different modules. Sensors needed for design validation have been ordered and are getting implemented for testing.



• Thank You to Our Sponsors •



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