

UNIVERSITY OF FLORIDA
GATOR
MOTORSPORTS
FORMULA AND BAJA RACING

- <http://www.gatormotorsports.com>
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Alumni Visits



During Career Showcase week, we received many visits from alumni, including Sharun Kumar, former captain Brian Hamilton, and former powertrain leader and vice president of sponsorship Victor Martinez (pictured above). They were happy to answer questions about their work in the industry, and how SAE directly helped with their respective careers.

Alumni Visits

Research and Development

Chassis Assembly

Testing Days

Member of the Month

Research and Development

The research and development team is currently working on two projects, carbon fiber control arms and brake ducts.

The purpose of the carbon fiber control arms is to reduce weight by replacing the current steel variation used last season. They will be manufactured using CNC mills and lathes to make aluminum joints that will be bonded to pre-manufactured carbon fiber tubing.

Carbon fiber brake ducts will be used on the 2014 formula car to increase the efficiency of the new, lighter weight brake rotors. Their design incorporates FEA simulation and physical testing to increase airflow to the brake rotors, to prevent overheating.

Chassis Assembly

This season we are producing a redesigned chassis to accommodate drivers of all sizes. Last season's chassis lacked the ability to fit our team's wide variety of heights. The new chassis features a taller main roll hoop to better protect tall drivers along with a roomier cockpit for a more comfortable seating position.

The chassis tubing was pre-cut by a third party, producing a stiffer, lighter design while decreasing manufacturing time. This decrease allows for the team to allocate valuable resources to other areas of the car, resulting in a better-designed car overall, while helping the team achieve its goal for an early drive date.



Testing Days



We had the opportunity to work on traction control tuning and allow new drivers to gain experience in semi-wet weather conditions.

Ideal conditions would be a bright and sunny forecast, but we like to make sure our drivers are prepared for any condition. This is why it was crucial to allow each driver as much seat time in these adverse conditions as possible. We have to be prepared to compete in any forecast.

We also worked to implement a new 'No Lift Shift' strategy on the car. This gives drivers faster shift times while increasing consistency and reducing driver error.



Member of the Month

Benjamin Boulch

1st Year Member / Freshman

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