

Senior gets dreamy opportunity

by Allison Gaffney

Reporter

Since his freshman year, senior Joey Bayer's schedule has been filled with math, physics and engineering classes, all in hopes to ensure that he will be readily prepared to work in his dream job as an engineer. While Bayer was doing the necessary things in school to prepare himself, he still did not have an out-of-school experience. That was until this year when an opportunity fell into his hands.

Bayer is pursuing his dream of engineering by interning at the Indianapolis engine plant, Rolls Royce.

Bayer was first referred to Rolls Royce by robotics coach and engineering teacher, Mr. Michael Taylor. Taylor felt that Bayer was the most suited for the challenges of the internship.

"I think that he can look at a situation, analyze it very quickly and figure out what needs to be done to create a good solution for it," Taylor said.

Bayer is the fifth student that Taylor has referred to Rolls Royce. He is currently the only Southport student interning there.

Bayer explained that applying for the internship at Rolls Royce was easier than filling out a college application. After that, Bayer was accepted for the internship along with several other students from different schools around Indiana.

In order to prepare him for the work that he will have to do at Rolls Royce, Bayer took calculus, engineering and physics classes. He explained that the physics and calculus classes helped to give him the applied knowledge he needs for his internship.

His engineering classes have helped him learn how to think critically and analytically as well as how to problem solve.

Along with taking classes to prepare him for engineering, Bayer is a member of the robotics team, Cyber



**Senior
Joey Bayer**

Cards. He is a team captain as well as a driver for the Cyber Cards. That means that he is the one who controls the robot during a match.

Bayer helped to lead the team to win numerous community service awards. This year at C.A.G.E. match, the Cyber Cards were recently a

finals alliance captain. All of these accomplishments helped Bayer get ready for his work at Rolls Royce.

Bayer spends around 15 to 20 hours, five days a week, interning at Rolls Royce after school. He works with and tests the different engines Rolls Royce produces.

Currently, Bayer is collecting speeds on the different engines that are there. He has also worked with high cycle fatigue testing. That is when engines are put through a battery of tests in order to see how much stress different components of the engines can take before it breaks down.

During the high cycle fatigue testing, Bayer watched as the engineers ran the engines they were testing until they turned white because they were so hot. Then, the engineers brought in fans to cool them down.

"(The tests results) are good information to know because you don't

want something that's going to break easily," Bayer said.

A few weeks ago, Bayer gave a presentation to the vice-president of Rolls Royce. Conquering his nerves, Bayer gave a presentation about the general information about the company.

"I was pretty nervous," Bayer said. "But I had arguably one of the best presentations."

Bayer's internship will last until the end of this semester, but he can be offered by Rolls Royce to have the internship extended until summer.

From there, he can apply for a co-op position once he goes to college. Unlike an internship, with a co-op position, Bayer would get paid for his work. Because Bayer is already interning, he explained that he will have a better chance of returning back to Rolls Royce with a co-op position than those who did not intern in high school.

In the future Bayer hopes to pursue a career in engineering. He explained that he would not mind eventually working for Rolls Royce because it is something that he enjoys doing. He would also get paid a decent amount of money if he got hired there.

"Rolls Royce does pay above the average which I found to be nice," Bayer said.

Even though Bayer explained that it is challenging, he enjoys what he does at Rolls Royce because he said that it allows him to get his foot in the door to colleges. His internship also gives him a look into what it would be like to have a career in engineering.

"Above all else, (the internship) is real world experience at one of the world's premier engineering firms," Bayer said.