

OptimumG Engineering Internship

At OptimumG we are always on the lookout for passionate engineers who will be a positive asset to our team. We offer a 12-month internship at our headquarters in Denver, Colorado for those who would like to enhance their understanding of vehicle dynamics, data acquisition and software development.

Job Requirements

The majority of your internship will require you to work primarily on the development of OptimumG's automotive software packages. Involved in all aspects of program development, you will write the core code of applications, build interfaces and use the software in consulting projects. A successful applicant should therefore have a strong knowledge in both programming and vehicle dynamics. Practical experience in motorsport or automotive engineering is also advantageous, and knowledge of different languages is helpful but not essential.

Benefits

Enjoy the spirit of a "start up" with a small, young, ambitious and innovating office within the racing and automotive industry. We require upfront, direct participation from everyone in the company. Because we are a small office, you will be given much more responsibility and independence in your work, and therefore gain more experience than you would in a large organization. You will be given experience in data acquisition and analysis, software development and deployment, vehicle testing and simulation, and the possibility of work in United States, Australia, South America, India, China and/or Europe. In exchange for your services, we can help open the door into the automotive and racing world.

How to Apply

Please send your CV or resume to engineering@optimumg.com, along with a letter describing clearly, sincerely and giving verifiable details to the following:

- What character traits help differentiate you from the competition?
- Why are you interested in this particular internship?
- Any practical experience (both in software development and in the automotive industry)
- Extent of your theoretical vehicle dynamics, vehicle engineering or programming knowledge/education.
- A description of the jobs that have utilized this knowledge and experience. Describe what each position's goals and objectives were, if you reached them (or why not), and if you worked alone or with a team. (Do not simply state which software packages you can use, instead give examples of how and why you used certain packages in a job or project.)
- In what way will your participation in this company add to the knowledge, the know-how and identity of OptimumG?

Remember to include examples of some of your relevant work, what your thesis was/will be about, and other practical, hands-on experience in racing, automotive or programming.

- Are you good with Matlab, Visual Basic or C++? Do you have experience in other programming languages? Do you have examples you can send us?
- Are you ready to work 60 hours a week? Are you ready to live in Colorado for 12 months?
- What are your long-term goals in the automotive industry? Research, Simulation, Testing, etc.
- What part of automotive engineering technology interests you? Suspension, Engine, Aerodynamics, Brakes, Data Analysis, etc.