The Center for Automated Vehicle Systems (CAVS) within the Virginia Tech Transportation Institute (VTI) is looking for hard working students ready to utilize their computer programming skills in a research-oriented job setting. CAVS conducts research, both proprietary and public, on the application and integration of automated vehicle technology. With access to state-of-the-art facilities and home to the largest group of driving safety researchers in the world, VTTI is known globally as the place to go to get answers to the most complex questions in the transportation industry.

Those selected for this position will assist in the development of applications and programs designed to aid data collection and analysis for automated vehicle research studies. Student applicants for this position would ideally have experience in one or more of the following technical and professional capabilities:

- Knowledge of Unity and C# Programming Language
- Experience with Linux/Unix operating systems
- Moderate knowledge of Python Programming Language
- Moderate knowledge of programming in ROS (Robotic Operating System)
- Ability to work 10-20 hours per week
- Strong mathematic and statistical skills
- Excellent communication skills
- Willing to work in a team environment and collaborate with other researchers and programmers
- Ability to meet project deadlines
- Experience using GitHub or GitLab

We would also prefer to see skills in the following areas:

- Advanced knowledge of Microsoft Visual Studio
- Strong knowledge of Windows operating systems
- Proficient in Microsoft Office
- Experience in a professional work environment
- Technical report writing skills
- Strong attention to detail

If interested, please email resume and cover letter to mcasadonte@vtti.vt.edu or apply on Handshake at https://app.joinhandshake.com/jobs/3212051.