

Autonomous Vehicle Summer Job Opportunity

We are seeking two motivated and talented undergraduate students to support the development of key components of the Queen's AutoDrive Team. These two positions offer unique opportunities to gain hands-on experience with all aspects of autonomous vehicles while working closely with experienced researchers in the field. The successful candidate will contribute to ongoing research projects and assist in development, project management, and research.

Responsibilities:

- Collaborate with team leads and GRAs to identify weak points in the system design and address them accordingly
- Conduct literature reviews to optimize current implementation and research key areas of the Year III competition
- Assist in developing an improvement project management plan and team structure
- Participate in research meetings, discussions, and presentations
- Contribute to the overall research team efforts and support other team members as needed
- Organize and host two workshops for high school students under the auspices of the Queen's Summer Engineering Academy (QSEA) <https://queensconnections.ca/summer-programs/>

Qualifications:

- Currently enrolled as an undergraduate student
- Demonstrated interest in research and willingness to learn new methodologies and techniques
- Excellent organizational and time management skills
- Prior experience with autonomous vehicles is an asset
- Experience with leadership roles is an asset
- Proficiency in Python, ROS2, Machine Learning, Simulink, CAD is an asset
- Strong attention to detail and ability to work independently and as part of a team
- Prior research experience or coursework related to the field is preferred but not required

If you are interested, please submit a cover letter, unofficial transcript and your resume by **Sunday, March 3 at 11:59 pm** to Jenny Cruz (j.cruz@queensu.ca). As an undergraduate student, the position will be for 16 weeks, full-time (May to August 2024) at \$17/hour (plus 4% in lieu of vacation).

You must be eligible to work in Canada. For more information on the AutoDrive Team, go to: <https://autodrive.engineering.queensu.ca/>. If you have any questions, please feel free to contact Jenny Cruz (j.cruz@queensu.ca) who will be the supervisor. We appreciate all applications, but only those selected for an interview will be contacted.

