**Internship - Software Developer**

**4 months: May-Sep 2017, Salary based on experience**

Aeriosense Technologies is an exciting early stage start-up working on reducing the cost and improving the safety of infrastructure inspection. Aeriosense was founded in 2016 to develop unmanned aerial inspection solutions for industrial clients. Safe and efficient flight of the Unmanned Aerial Systems (drones) can be achieved through automation. Aeriosense is currently developing drone automation software that allows automatic piloting and reporting for transmission line inspections.

**We are looking for you:** a talented recent grad with experience designing commercial software who is looking for a challenge.

As a key member of our small and versatile team, you will have the opportunity to design, test and deploy innovative software solutions for complex aerial systems.

Aeriosense is currently testing its prototype solution with industry partners. Your job would be to help us build the next iteration of our solution based on the feedback and experience from the demo projects. Based on your strengths and project priorities you would be working on several of the following modules: mission planning and visualization environment, real time object recognition and flight path adjustment, mission control and reporting UI.

**Your Key Traits:** adaptable, hardworking problem solver who is effective working in small teams.

- You prefer and have experience working on open-ended problems
- Because you will be working in a start-up venture, you must be prepared to work in a dynamic and entrepreneurial environment that is constantly changing
- You have a proactive, inquisitive mindset that can add structure to a loosely defined project in an environment with limited guidance and information.
- You have project management skills and a proven ability to balance multiple demands and expectations

**Basic Requirements:**

- Bachelor’s degree in Computer Science, Computer Engineering or related technical discipline
- A solid foundation in computer science, with strong competencies in data structures, algorithms, and software design
- Programming experience in one or more of the following: C/C++, Java, Python
- Experience with Android app development

**Useful Experience:** Unmanned Aerial Systems, Geomatics, 3D geometry computation, Computer Vision

**How to Apply:** send a copy of your resume, including a short explanation of your background, accomplishments (links to past projects are always helpful), and what excites you about working for Aeriosense to **Contact@Aeriosense.com**

If you qualify one of our team members will get in touch with you for quick chat. We will then pose a small technical challenge for you to showcase your awesome skills.

**Note:** This position is partly funded by the federal government youth employment program, which stipulates that candidate must be: Between 15 – 30 years of age (inclusive); A Canadian citizen or permanent resident of Canada, legally entitled to work in Canada; A first-time participant in a Youth Employment Strategy work experience program.