



# We need you!

Voliro is developing the next generation of drones that can fly, see and touch. Thereby, the people, the drone enthusiasts, the engineering masterminds behind Voliro are the success factor to achieve the unthinkable. Currently, many technological challenges are ahead of Voliro. And that is how it should be. Challenges are there to be solved. Therefore, we are looking for a passionate individual to join our team and advance Voliro's core technology as a

## Robotics Engineer

*Starting date: May 2020 or as soon as possible.*

### Challenges ahead

- Explore, develop and deploy novel software features and workflows for Voliro products
- Develop and maintain the firmware codebase, ranging from sensor integration, robust state estimation, control, path-planning, as well as communication protocols between system components
- Closely collaborate with the ground station team to ensure a seamless customer experience
- Integrate, benchmark and validate new UAV sensors and cameras in tight collaboration with the hardware development team
- Facilitate the customer support and manufacturing teams with the insights and software tools needed to increase their productivity
- Develop and maintain the toolchain for log data analysis from customers
- Collaborate with the Dronecode open source ecosystem. Voliro stays as up-to-date as possible with latest developments and contributes back to the community

You will be responsible for designing new electronics for our hardware products as well as the software to operate them, using state-of-the-art technologies and interfaces.

### Perfect fit

A successful candidate has excellent skills in electronics design, a good understanding of modern digital electronics and experience in development through to production. Equality of opportunity is exceptionally important to us. We attract and retain the best qualified individual available regardless of their personal or social background. You will be evaluated based on three different pillars: personal fit, skill set and experiences.

#### **Personal fit**

A great team spirit and the shared vision to change the drone industry is our recipe for success. We are looking for team players who dare to share their opinion and challenge the status quo. Furthermore, you should be as fascinated about robotics and automatization as we are.

#### **Skill set**

- 4+ years of industry experience in developing robotics related C++ code
- University degree in computer science or electrical / mechanical engineering (or similar qualification)



- Used to version control, code review, CI and agile methodologies.
- Outstanding general cognitive ability and problem-solving skills
- Excellent interpersonal and communication skills, good command of spoken and written English
- Honest, humble, and self-motivated
- Project management experience

### ***A plus***

- Experience with real-time embedded systems, as well as high-speed communication protocols
- system identification, state estimation and control of UAVs
- Experience as software architect
- Experience in flight testing UAV software and electronics
- Worked previously in fast growing teams
- Familiar with PX4 flight stack, Dronecode SDK, MAVlink, low level communication (UART, SPI, CAN, I2C)

### **Supporting environment**

We encourage our team members to impact the development of the next generation of drones. That is why we promote an open communication culture in which everyone can get involved. Diversity, different opinions and mindsets, are the breeding ground for break-through innovations.

### ***Moreover, we offer:***

- A working environment in which personal development takes an important position. Voliro will grow, but you should grow with it.
- Robotics and automation experts and drone enthusiasts as co-workers which are happy to share their knowledge.
- An open discussion culture in which you can impact the path we are walking on. You are the expert in a specific field, and we need your insights and experience for our successful future.
- A wonderful office shared with other start-ups in the heart of Zurich (1min from Central)
- A competitive package including a stock option plan
- Flexibility in working time and work-from-home options

We offer our employees a lot but expect outstanding work. If you are eager to revolutionize the drone industry together with an ambitious team send your CV and transcript to [jobs@voliro.com](mailto:jobs@voliro.com). We are interested in intellectually curious and highly motivated candidates which want to grow in an inspiring and challenging environment. Please reach out to us if you have questions or feel unsure about some requirements.

We are looking forward to meeting you in person and to share with you our challenges and vision.

Your contact person:



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