VERITY®
s t u d i o s

Systems and Control Engineer
full-time

Verity Studios is creating a new breed of dynamic flying machines and related systems for the live entertainment industry, leveraging technological innovation, scientific principles, advanced algorithms, and the art of design in unprecedented ways. Verity Studios' synthetic swarm of 33 Fireflies debuted at TED 2016, performing above a live audience, and our work is currently featured in Paramour, the new Broadway show by Cirque du Soleil. Verity Studios is a spin-off company of the Swiss Federal Institute of Technology (ETH) Zurich, which is consistently ranked among the top universities in the world by all major world university rankings.

To complement its growing team, Verity Studios is looking for a talented systems and control engineer capable of developing state-of-the-art estimation and control algorithms for Verity's flying machines. Successful candidates will have a proven track record in topics such as classical control, optimal control, Kalman Filtering, and sensor fusion. Experience in machine learning is a plus.

Your tasks

- Develop, implement, and maintain control and estimation algorithms for our autonomous flying machines
- Rigorous theoretical and experimental evaluation of algorithm performance
- Benchmarking of next-generation component performance and its impact on overall system performance, particularly sensors and actuators
- Conception and evaluation of novel sensing methods through simulation and experiment

Prerequisites

- Strong background in control and estimation
- Experience in real-world application of control and estimation algorithms
- Knowledge of C++ and embedded system programming
- University degree in a relevant field

Benefits

- Work in an early stage startup where you'll help shape the culture and can have a huge impact
- Competitive salary
- Work in an interdisciplinary, international team of highly skilled people
- Build something that will be seen by millions
- Offices close to Zurich in the heart of Europe and the Alps

How to apply

Submit a single PDF to careers [at] veritystudios.com (subject "[j-009]") including:

- Resume/CV
- Portfolio of relevant projects
- Transcripts of relevant degrees
- Two references

Incomplete applications will not be pursued. Applications will be considered until the position is filled.