



## Internship Assignment

“Software development: from Diplib to OpenCV”



## We are looking for...

Ambitious engineering students (BSc/MSc) with experience in software development (C/C++/C#) and/or image analysis to perform an internship at our company on the subject: “**Replace Diplib by OpenCV in our BAGCHECK software**”.

We ask you to replace the image analysis algorithms used in our BAGCHECK software such that they use the open source OpenCV libraries instead of the commercial DIPLib (TU Delft owned) libraries. BAGCHECK is a baggage analysis and classification system used to prevent potentially jamming luggage from entering a baggage handling system. London Heathrow Terminal 5 is the first to make use of our solution.

## About Us

QuinTech is where baggage meets technology and creativity. We – a TUDelft spinoff company – are committed to add real value by developing innovative solutions that remove the hassles from airport baggage handling. Lost or delayed baggage, strenuous working conditions for baggage handlers, and long queues at check-in and baggage drop-off are the primary hassles we tackle. We believe hassle-free is the future of baggage handling.

During the 5 years of our existence we have developed a variety of proven baggage handling automation products, amongst which:

- DROP&FLY®/SCAN&FLY – compact, simple & fast bag drop solutions
- BAGCHECK – an automatic baggage analysis and classification system
- QUINTAINER – a light-weight and easy-to-handle baggage container

Also we have helped our international customers (KLM, Schiphol Airport, London Heathrow Airport, Rotterdam Airport, Eindhoven Airport, Vanderlande Industries, etc.) to improve their baggage handling processes and systems.

## What we offer

A challenging, fun and inspiring environment for you to work in. The chance to make real impact because you work on products and ideas that will be implemented. And – last but not least – an attractive wage or internship payment.

## Interested? Contact us

QuinTech Engineering Innovations  
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