

Fraunhofer Institute for Production Systems
and Design Technology IPK

Director
Prof. Dr. h. c. Dr.-Ing. Eckart Uhlmann

Pascalstraße 8 - 9
10587 Berlin

Internship Reference

Mr Mathieu Lai-King born on 1st November 1997 was employed in our institute from 1st July 2019 to 30th June 2020 in the department Information and Process Control as an intern.

The Fraunhofer-Gesellschaft is the leading organization for applied research in Europe. Its research activities are conducted by 72 institutes and research units at locations throughout Germany. The Fraunhofer-Gesellschaft employs a staff of more than 26,600, who work with an annual research budget totaling 2.6 billion euros. Of this sum, 2.2 billion euros is generated through contract research. Around 70 percent of the Fraunhofer-Gesellschaft's contract research revenue is derived from contracts with industry and from publicly financed research projects.

International collaborations with excellent research partners and innovative companies around the world ensure direct access to regions of the greatest importance to present and future scientific progress and economic development. The Fraunhofer Institute for Production Systems and Design Technology IPK works on application-oriented system solutions covering the whole spectrum of industrial usage. This includes product development, production processes, maintenance of investment goods, and product recycling to design and management of manufacturing companies. We also transfer production technology solutions to areas of application outside of industry such as medicine, transport and security.

Within the scope of his duties, Mr Mathieu Lai-King was responsible for these tasks:

- Improvement of a software system for automatic identification of human development activities based on machine learning algorithms,
- developing a service-based software solution for the similarity assessment of development requirements based on Natural Language Processing models as well as
- designing a prototype for the detection and extraction of requirements from documents.

Mr Mathieu Lai-King has always acquired a very good expertise within a very short time. He has an excellent perceptive faculty, which always enabled him to grasp even the most complex training topics very well within a very short time. Mr Mathieu Lai-King always worked in a highly proactive manner and completely identified with his tasks and our institute at all times. He always displayed an impressive level of dedication and motivation. During the entire internship, Mr Mathieu Lai-King distinguished himself with his expressly high and perfect eagerness to learn. In situations with extreme stress, he always displayed exemplary resilience.

We must highlight his very good IT skills, and specifically his extensive experience in the development of solutions for issues, as well as their implementation, and in the monitoring and maintenance of networked systems and system and application software.

Mr Mathieu Lai-King was always highly appreciated by our institute because of his very judicious and always responsible working method. He showed an extremely high level of reliability. He always found excellent solutions for all rising problems. The performance shown by Mr Mathieu Lai-King during his internship has always gained our fullest recognition in every respect.

Because of his always very friendly, sociable and equal disposition, he enjoyed great popularity. His behavior towards the management, the instructors and the colleagues was always exemplary in every respect.

We would like to thank Mr Mathieu Lai-King for the very good and pleasant cooperation and collaboration. For the future, we wish Mr Mathieu Lai-King further success, both professionally and personally and all the best.

Berlin, 30th June 2020

Fraunhofer-Institut für Produktionsanlagen und Konstruktionstechnik IPK


Dr.-Ing. Kai Lindow
Head of Department

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