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Fakulta informatiky a informačných technológií
STU v Bratislave
Ilkovičova 2
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To Whom It may concern,

My name is Alojz Gomola, graduated from your faculty in 2013 batch, obtained doctoral degree from *University of Porto* in field of *Applied Mathematics* at summer of 2019. During my Industrial PhD at Honeywell Prague Laboratory, I have developed prototype of *obstacle avoidance algorithm for Unmanned Aerial Vehicles*, with capability to be integrated into controlled airspace. Currently, I have role of *Product Owner/Software Architect* at *Siemens Mobility*, where I lead software development of safety applications for Rail Automation.

I express my interest in the position offered at:
www.fiit.stuba.sk/sk/aktuality/vyberove-konanie-oa-jul2020.html?page_id=5796

Advanced Software Development Group lead by associated professor Vranič will be ideal match. My experience allows me to offer contribution in following areas:

- *Research* - advanced algorithms and design patterns in area of aerial navigation, rail autoation, insurance and banking systems,
- *Teaching* - software development and automation related topics, with emphasis on mathematical background.

My future aim is to contribute to the respective research topic in form of publications and thesis leadership. My long term goal is to achieve rank of associated professor in related field.

Best Regards,

Alojz Gomola