SMART-UNIVERSITY
WHICH UNITES EUROPE AND ASIA

INTERNET OF THINGS

MASTER'S DEGREE PROGRAM

Admission Requirements: Bachelor's Degree / Specialist's Diploma. Duration of the Program: 2 years.
Language Proficiency: intermediate level of English

Program Description: Within "Internet of Things" master programme you would learn key aspects of the Internet of Things technology, including the IoT infrastructure design, application of cloud and mobile technologies for the development of IoT solutions, methods of IoT data gathering and analysis and cybersecurity aspects of IoT.

▶▶ PROGRAM FEATURES

Students would be able to study the cutting-edge IoT solutions from the leaders of the market. The education and project work of the students would be provided using the facilities of such Laboratories of School of Electronics Engineering and Computer Science of SUSU as "Samsung IoT Academy", "Emerson PlantWeb", "Kaspersky Research and Education Center", "Smart Home Lab", etc.

SCIENTIFIC PARTNERSHIPS AND COLLABORATION:

Students of the programme would be able to participate in research activities of leading international research laboratories of South Ural State university, including the Problem-Oriented Cloud Computing Environment International Laboratory in such fields as:

- Resources scheduling and planning for IoT support in cloud and fog computing environments
- Research and development of Digital Twins cloud solutions
- Research on cybersecurity aspects of IoT
- Application of cloud computing systems for smart cities

CAREER OPPORTUNITIES

The graduates of this programme would be able to work as engineers, software developers, IT architects and team leaders in the companies, who provide solutions in such fields as "Internet of things" (including "Smart Homes", "Smart Cities" etc.), IoT data analytics, computer networks, communications and embedded systems. Our graduates successfully work in world-leading IT companies as Microsoft, Google, Yandex, Intel, Sberbank, AirBnB, Facebook, Kaspersky Lab.
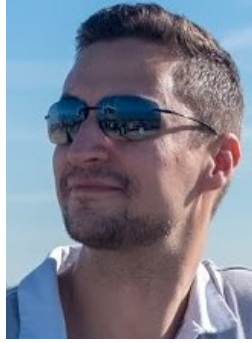
▸▸ GRADUATES EMPLOYMENT

Stanislav Vilchik
Software Developer at Google,
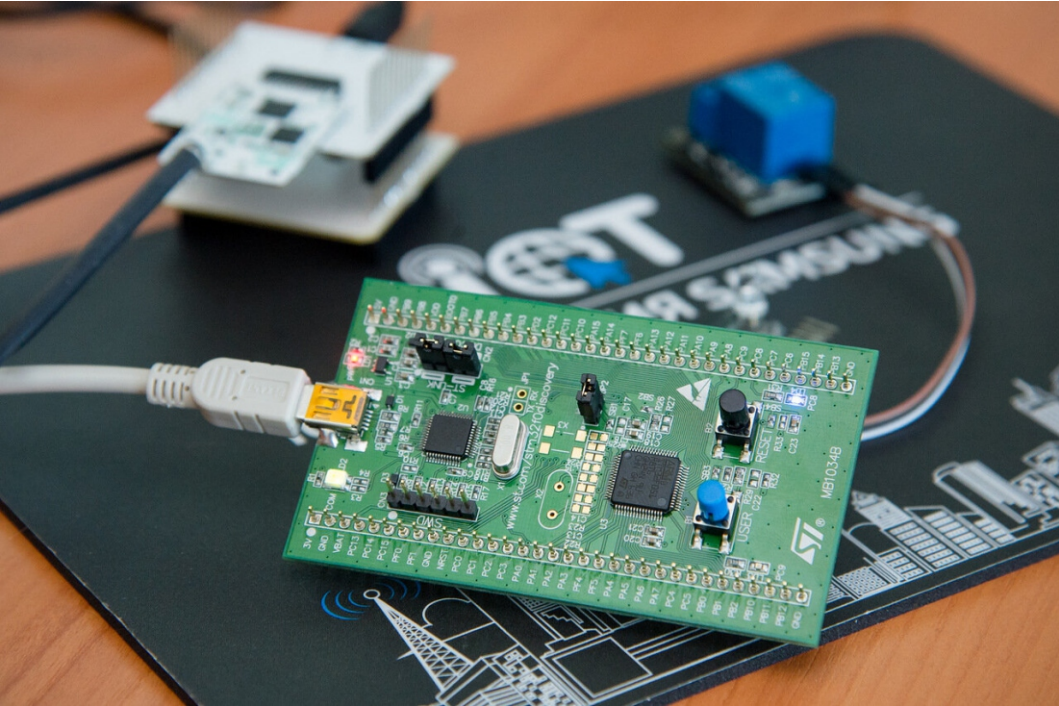Zurich, Switzerland.

Yuri Korchemkin
Software developer at Tableau
Software, Seattle, USA.

Alexander Bindju
Founder and owner of Byndyusoft,
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Maksim Galkin
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