

# Bogdan Gorelkin

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 [b.gorelkin.me](https://b.gorelkin.me)

## EDUCATION AND TRAINING

2020 - 2021 - Master of Internet of Things

 Université de Technologie Belfort-Montbéliard, Montbéliard (France)

2019 - 2020 - Master of Wireless Embedded Technologies

 Polytech of Nantes, Nantes (France)

2018 - 2020 – Master of Infocommunication Technologies and Communication Systems

 Tomsk State University of Control Systems and Radioelectronics, Tomsk (Russia)

2014 - 2018 – Bachelor of Audio Visual Technology

 Tomsk State University of Control Systems and Radioelectronics, Tomsk (Russia)

## WORK EXPERIENCE

*March 2021 – Present* - Modeler of Modular Robots via Component Systems with Dynamic Reconfigurations, Inria, Lille:

- simulating modular robots by using the BIP framework;
- programming DFA;

*January 2020 – July 2020* - embedded technology engineer, Polytech de Nantes, France:

- design of experiments in the field of embedded technologies;
- conducting experiments on the stm32 microcontroller;
- realization of the cryptography algorithm on microcontrollers
- analysis of correlations using statistical methods and presentation of results;
- experience of working in an international team.

*September 2019 – June 2020* - educational center for bilingual children “Russies étonNantes”, Nantes, France:

- preparing and conducting lessons in mathematics and computer science for bilingual children;
- remote customer support;
- organization of international events in Nantes.

*September 2018 – June 2019* - work in the laboratory of Radio Optics department in TUSUR, Tomsk:

- channel modeling N-BCCH Narrow band IoT downlink physical layer design;
- research of Narrowband Internet of Things technology for telemetry devices with low data exchange volumes;
- development of algorithms in Matlab environment.

*September 2016 – May 2018* - work in the laboratory of the TU department under the leadership of A.N. Dementyev at TUSUR, Tomsk: development of a video surveillance system with broadcasting to the Internet portal

- calculation of outgoing traffic by camera parameters;
- selection of the necessary components for a video surveillance system;
- creating a drawing of a video surveillance object;
- development of algorithms in Matlab environment

#### Technical skills

- C/C++;
- Python;
- Matlab;
- Autodesk;
- Keil;
- Visible Sim.

#### Language skills

- Russian (native)
- English (B2)
- French (A2)
- German (A2)