



Nikita Tafintsev

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Born 22 June 1995 (24 years)

WORK EXPERIENCE

August 2017 – present

Research Assistant

Tampere University. Faculty of Information Technology and Communication Sciences

- Mathematical optimization
- Network analysis of mmWave-based aerial networks
- Network simulations and antenna design for 5G/5G+ wireless systems
- Developing and implementing capacity and coverage optimization algorithms designed to meet performance requirements in terms of throughput and latency

EDUCATION

2017 – present

Master's Degree with Honours in Information Technology

Tampere University, Finland. Communication Systems and Networks

- 5G communications
- Theoretical and practical experience in wireless communication systems
- Radio communications, propagation and system-level RF issues
- Multicarrier and multiantenna digital communication techniques
- Operating principles and resource management algorithms in wireless networks
- **Minor:** Pattern recognition and machine learning
- **Master's Thesis:** Aerial Access and Backhaul in mmWave B5G Systems

2013 – 2017

Bachelor's Degree with Honours in Telecommunications

Peter the Great St.Petersburg Polytechnic University, Russia. Radio Engineering and Telecommunication Systems

- Mathematical analysis
- Programming (C/C++, Python, MATLAB)
- Ultra-high frequency devices and antennas
- Electromagnetic fields and waves
- **Bachelor's Thesis:** Characterizing Wireless Connectivity with a Multicopter UAV

SKILLS

Technical skills

- Python, MATLAB, C/C++
- Machine learning
- Strong mathematical background
- Modeling

Soft skills

- Learning ability
- Problem solving
- Critical thinking

ACCOMPLISHMENTS

Publications

- Improved Network Coverage with Adaptive Navigation of mmWave-Based Drone-Cells
- 2018 IEEE Globecom Workshops

Selected projects Positioning of Light Show Drones in the Sky. Intel Finland

- Measuring and defining the exact positions of flying objects

Smart navigation assistant. Huawei Finland

- Android AI application with the use of Huawei AI SDK. Innovativeness Prix

Intelligent platform for customer interaction. SAP Finland

- Junction Hackaton project

Languages English – Fully professional proficiency
Russian – Native proficiency
Finnish – Elementary proficiency
Kazakh – Fully professional proficiency