

WORK EXPERIENCE

University of Split, FESB, Split

PhD student, junior researcher

Oct, 2019 – Present

- Working with a research group for [Electromagnetic Compatibility and Numerical Methods in Electrical Engineering](#) at the Department of Electronics within a team that specializes in computational bioelectromagnetism, under the mentorship of prof Dragan Poljak, PhD
- **Main interest:** human exposure to electromagnetic fields in extremely high frequency radio spectrum
- **Other interests:** electromagnetic radiation effects on a neuron's dynamics and a network of neurons; dynamical systems and identification; physics-informed neural networks and machine learning for science in general
- **Publications:** <https://bit.ly/3nshZON>
- **Activities:**
 - [Google Summer of Code](#) with [INCF](#) – worked on the implementation of simulation-based inference into the model fitting toolbox for the [Brian2](#) simulator
 - research with the Electromagnetic Waves in Complex Media (WAVES) team at IETR/CNRS, France - collaboration on the ongoing project: Realistic near-field assessment of adults and children exposure in V-band 5G scenarios

EDUCATION

University of Split, FESB, Split

MSc in Electrical Engineering (mag.ing.el.)

Sep, 2017 – Sep, 2019

- **Thesis:** *Analysis of LoRaWAN performance using machine learning on data traces from real deployment* at [Aalborg University](#)
- **Awards:**
 - Rector's office award for excellence in academic year 2017/2018
 - Dean's award for the best master student at Electronic and Computer Engineering department with GPA 4.92/5.00
- **Internships:**
 - Data engineer intern at Zagrebačka Banka, [UniCredit Group](#)
 - Research intern at Aalborg University, Denmark – worked on master thesis project at the Department of Electronic Systems with the [Connectivity](#) group

BSc in Electrical Engineering & Information Technology (univ.bacc.ing.el.techn.inf.)

Sep 2014 – Sep 2017

- **Thesis:** *Application for monitoring end-user QoE in video streaming services*
- **Awards:** Commendation for excellence (GPA 4.68/5.00)
- **Activities:**
 - Student assistant on electronic engineering-oriented courses within the Electronic and Computer Engineering department
 - Summer camp 2017 at [Ericsson Nikola Tesla](#)

TECHNICAL SKILLS

Numerical computing	<ul style="list-style-type: none">• SciPy ecosystem: IPython, NumPy, SciPy lib, pandas• additional libs: Jax, PyTorch, scikit-learn• Matlab
Data analysis and visualization	<ul style="list-style-type: none">• Jupyter Notebook, Matplotlib, PGF/TikZ
Miscellaneous	<ul style="list-style-type: none">• Bash, GIT, L^AT_EX

NON-TECHNICAL JOB RELATED SKILLS

Languages	Croatian (native), English (fluent)
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