

# Zdravko Dugonjic

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Homepage: [zdugi.github.io](https://zdugi.github.io)

Google Scholar: [Link](#)

## Education

- 2023 – Present    **Technische Universität Dresden**  
Ph.D. in Electrical Engineering and Computer Science  
\* SECAI Graduate School  
Advisors: Prof. Roberto Calandra and Prof. Stefanie Speidel  
Research: Machine Learning, Touch Sensing
- 2022 – 2023    **University Grenoble Alpes, ENSIMAG**  
M.Sc. in Computer Science  
Thesis: Probing Syntactic Information in Self-Supervised Acoustic Models  
Advisors: Maximin Coavoux, Andrien Pupier and Prof. Benjamin Lecouteux
- 2017 – 2021    **University of Novi Sad, Faculty of Technical Sciences**  
B.Sc. in Electrical Engineering and Computer Science  
Thesis: Detection of Bad Coding Practices Using Machine Learning Approaches  
Advisors: Prof. Aleksandar Kovacevic  
*Thesis project was part of nationally-funded research project "Clean Code and Design Educational Tool".*

## Experience

- 2023 – Present    **Technische Universität Dresden, Research Assistant**  
with Prof. Roberto Calandra
- 2023    **Computer Science Laboratory of Grenoble (LIG), Intern**  
with Maximin Coavoux, Andrien Pupier and Prof. Benjamin Lecouteux  
*Probing Syntactic Information in Self-Supervised Models for Speech Recognition.*

## Teaching

### Teaching Assistant

- 2024 Fall    **Touch Sensing and Processing**  
Teaching Assistant with Prof. Roberto Calandra
- 2023 Fall    **Touch Sensing and Processing**  
Teaching Assistant with Prof. Roberto Calandra

## Student Assistant

2019 Fall   **Object Oriented Programming**  
Student Assistant with Prof. Miodrag Djukic

## Event Organization

- 2025   **Touch Sensing and Processing Summer School**  
with Prof. Roberto Calandra and Philipp Hanish  
Link: [TSPSS 2025](#)
- 2024   **Touch Sensing and Processing Summer School**  
with Prof. Roberto Calandra and Philipp Hanish  
Link: [TSPSS 2024](#)

## Publications

- 2025   Artemii Redkin, **Zdravko Dugonjic**, Mike Lambeta, Roberto Calandra.  
**Enhance Vision-based Tactile Sensors via Dynamic Illumination and Image Fusion**  
*preprint*
- 2024   Julia Di, **Zdravko Dugonjic**, Will Fu, Tingfan Wu, Romeo Mercado, Kevin Sawyer, Victoria Rose Most, Gregg Kammerer, Stefanie Speidel, Richard E Fan, Geoffrey Sonn, Mark R Cutkosky, Mike Lambeta, Roberto Calandra. **Using fiber optic bundles to miniaturize vision-based tactile sensors**  
IEEE Transactions on Robotics
- 2024   **Zdravko Dugonjic**, Adrien Pupier, Benjamin Lecouteux, Maximin Coavoux.  
**What has LeBenchmark Learnt about French Syntax?**  
Joint International Conference on Computational Linguistics, Language Resources and Evaluation (LREC-COLING)

## Awards

2022 – 2023   🏆 **Awarded the Campus France Scholarship**