



Dominika Stipić

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Education

- 10/2019–2/2022 MS Computer Science, [Faculty of Electrical Engineering and Computing](#), Zagreb, Croatia
- Thesis topic: „[Semantic segmentation of buildings in satellite imagery](#)”
 - [Recommendation letter](#) from prof. dr. sc. Siniša Šegvić
 - Additional activities: English language Courses; Communication skills; Programming Language R

- 10/2016–7/2019 BS Computer Science, [Faculty of Electrical Engineering and Computing](#), Zagreb, Croatia
- Thesis topic: „[Convolutional Models for Person Localization in Sports Broadcasts](#)”
 - Additional activities: Haskell, **Java Programming Language**, Linux, Arduino and Raspberry PI workshops, Discrete & Continuous Mathematics; CubeSat Satellite Section;

Skills and Relevant Courseworks

- Technologies and Languages:
 - Java, Python -> *most proficient with this programming languages*
 - SQL, R, JavaScript, C, Haskell, Linux
 - PyTorch, Tensorflow, Excel, Docker
- Skills: Writing and Communication; System Modelling; Presentation; Engineering mindset; Research; Analysis, People Skills
- Relevant Coursework: Algorithms and data structures; Machine learning; Text analysis and retrieval; Deep learning; Financial mathematics; Stochastic processes; Fuzzy, evolutionary and neuro computing; Discrete & Continuous Mathematics; Software Design; Statistical Data Analysis; Operational Research

Industry Experience: 29 months = 2.41 year

Current: *Career break*

- 01/2024-08/2024, Stipic Construction company (*Gradevinarstvo Stipić*), Croatia, Zagreb
- URL management, Data extractiong and analysis, Android app development, Flask website development, Google Cloud, data science projects, webscraping, big tech job miner, literature review
 - Technology: Python, Jupyter Notebook, Databases, Linux, Android, Spreadsheets, Git, Google Cloud & Digital Ocean management
- 12/2022-08/2023 Traineeship in Market Opearations, [European Central Bank](#), Frankfurt at Main, Germany
- Market Operation Analysis / Market Operations Framework Section / [PM Angelika Lagerblom](#)
 - Technology: Python, Jupyter Notebook, Oracle Database, Tableau, Excel, Bloomberg, Dagster
 - Highlighted Skills: Essentials of Monetary policy and Economy, Presentation skills, Communication skills, Data analysis, Research, Technology.
- 03/2022-08/2022 Software Engineer Trainee, [Amphinicy Technologies](#), Zagreb, Croatia
- Software engineer for the satellite industry products [1].
 - Technology: Java EE, WildFly server, Docker-compose, IntelliJ, Git
 - Highlighted Skills: Software design and implementation, Managing large code base, technical documentation
Written and oral communication, Learning domain specifics
- 04/2021-08/2021 ML engineer Trainee, [PhishAR](#), Zagreb, Croatia
- Research and development of end-to-end ML pipeline for computer vision tasks.
 - Technology: Python, Tensorflow, Git, Docker, Google Cloud Platform, Amazon Mechanical Turk, Data Version Control
 - Highlighted Skills: Project planning, Independence, communication
- 07/2019-10/2019 Student internship in data science/engineering, [CROZ](#), Zagreb, Croatia
- Design algorithm for rearranging warehouse layout to increase its throughput.
 - Technology: Python, Apache Spark, Oracle database, SQL
 - Highlighted Skills: Project presentation, Data analysis and engineering, knowledge extraction

Academy Experience: 2 semestars ~ 10 months = 0.8 year

- 2020 Researcher, Text Analysis and Retrieval Course, [DSAA 2020 conference](#)
 - Name: „Are you Human? Detecting Bots on Twitter Using Bert”
 - The paper is indexed in [IEEE xplore](#) and [ResearchGate](#).
 - Model for text classification using BERT, feature exploration, exploratory data analysis of tweets
 - Presenting work on the online conference [2].
- 2020 University days event, 2020 [3]
 - Presenting my paper to potential students and answering student questions.
- 2019 Research assistant, [FERSat project](#)
 - The aim of the project was monitoring of light pollution from space.
 - The paper is indexed in [IEEE xplore](#).
 - Remote satellite imaging systems, hyperspectral imaging, research on night-time multi-band image datasets, automatization and weekly presentation in front of professors

[1] Contributing to Amphinicy product - <https://www.amphinicy.com/news-and-press/news/monica-v62-has-launched>

[2] DSAA conference, Day 2 - <http://dsaa2020.dsaa.co/technical-program/>

[3] Smotra sveučilišta - <https://smotra.fer.unizg.hr/?p=215>