Dominika Stipić

Master of Science in Computing
Frankfurt, Germany
dominikstipic@gmail.com
dominikstipic.from.hr

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 Langage, Linux, Arduino and Rasberry PI workshops, Discrete & Continous 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 & Continous Mathematics; Software Design; Statistical Data Analysis; Operational Research

Industry Experience: 29 months = 2.41 year

01/2024-08/2024, Stipic Construction comapany(*family owned*), Croatia, Zagreb
- Security and intelligence tools, ShortURL, Data extractiong and analysis, Android demo app development, Flask website development, Google Cloud, data science projects, webscraping
- Technology: Python, Jupyter Notebook, Databases, Linux, Android, Spreedsheets, 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 Experiance: 2 semestars ~ 10 months = 0.8 year

- 2020 Researcher, Text Analysis and Retreval 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