

DOGA KURTOGLU

Junior Software Engineer

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EXPERIENCE

Probel Yazılım ve Bilişim Sistemleri A.Ş. (Probel Software and Information Systems Inc.) Turkey, İzmir
Intern 08 2024 - 09 2024

- Completed a project focused on encrypting and decrypting files stored on the database using .NET and Docker.
- Collaborated cross-functionally to document project architecture and ensure scalability.
- Developed and integrated a deep learning model for medicine classification. Utilized Python, TensorFlow, and CNN models.
- Trained a VGG16 model using Google Colab and TensorFlow to classify tumors in brain scans.
- Collaborated with team members to review project progress, and created documentation to support future improvements.

Whirlpool Corporation

Product Software Engineer Intern

Poland, Lodz
07 2022 - 10 2022

- Contributed to a 4-person team for software integration of dryers and washers.
- Developed strong communication and task management skills through group projects.
- Managed time effectively to complete all tasks within deadlines, achieving a 100% on-time delivery rate.
- Worked on native applications for dryers and washers and handled software corrections based on feedback.

EDUCATION

University of Lodz, Poland, Lodz

Enrolled: 10 2021 | Expected: 10 2024

Bachelor's in Computer Science

Dean's Scholarship Recipient

2024

Thesis Topic: Sentiment Analysis: A BERT-powered Deep Learning Approach

Relevant Modules:

Programming and Data Structures, Algorithms and Complexity, Object Oriented Programming, Introduction to Databases, Software Engineering, Introduction to Python, Advanced Algorithms, Introduction to JAVA

PROJECTS

Sentiment Analysis AI using BERT

Project Link: <https://github.com/ehady/SentimentAnalysisAI>

2023 - 2024

- The application is a user-friendly web-based sentiment analysis tool that uses the power of BERT (Bidirectional Encoder Representations from Transformers) AI to determine the sentiment of user-provided text.
- **Skills and Tools Used:**
 - Developed the web application using HTML, CSS, JavaScript, and Python.
 - Implemented Flask for backend development and utilized Hugging Face Transformers for BERT-based sentiment analysis.
 - Employed a dataset of 50,000 highly polar movie reviews for training and testing.
 - Applied PyTorch, NLTK, TensorFlow, Pandas, NumPy, scikit-learn, and Matplotlib for ML (machine learning), data visualization and data analysis tasks.
 - Achieved 90% accuracy using BERT-based sentiment analysis on IMDB dataset.

Currency Telegram Bot

Project Link: <https://github.com/Juliaivister/SoftwareEngineering>

2023

- A user interactive bot that makes finding information about desired currency (4 possible ones) easy to find read. Gives information such as comparisons, rates, prediction and visualization in the form of graphs.
- **Skills and Tools Used:**
 - Integrated APIs for real-time data retrieval.
 - Used web scraping for data extraction.
 - Managed databases with Microsoft Azure.
 - Collaborated effectively within a team environment.
 - Utilized GitHub for version control and code management.
 - Developed the bot using Python.

OTHER

- **Programming Languages:** Python, C++, C#, Java, SQL
- **Technical Skills:** TensorFlow, Google Colab, Hugging Face, PyTorch, Docker, .NET, Flask, Azure

- **Certificates:**Python for Data Science, AI & Development (Coursera),Developing AI Applications with Python and Flask (Coursera),Django Application Development with SQL and Databases (Coursera)
- **Languages:**Turkish(native), English(fluent), Polish(elementary)