Cem Berke Cebi

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Work Experience

Software Engineer @ iyzico

July 2019 - Present // Istanbul, TR

- Assisting in design and implementation stages of software product features and distributed applications.
- Performing unit and integration test activities using automated frameworks and written codes.
- Resolving troubleshooting production issues by identification of software bugs.
- Evaluating performance and progress of program execution results using Java coding systems.
- Supporting project management functions by providing estimates and schedules.
- Providing engineering expertise for the development of server applications and API services.

Game Developer Intern @ Atom Games

July 2018 - August 2018 // Istanbul, TR

- Created prototypes based upon design ideas using C# programming language.
- Used debugging techniques to identify issues with computer code and resolve errors.
- Developed two game prototypes with Unity3D (Turkish traditional "Okey" game and "Hyper- Casual Car" game).

System Administrator Intern @ Gantek Technologies

August 2017 - September 2017 // Istanbul, TR

- Planned and implemented upgrades to system hardware and software.
- Maintained technology equipment by installing, configuring, diagnosing, repairing and upgrading all hardware to ensure optimal performance.
- Installed, configured, and maintained Linux systems using RedHat Linux.

Education

Bachelor of Science in Computer Engineering @ Istanbul Kültür University

2014 - 2019 // Istanbul, TR

European Network for Accreditation of Engineering Education (EUR-ACE)

Skills

Programming Languages: Java, Python, Linux Shell, SQL, C, C++, C#, HTML, CSS

Libraries & Frameworks: Spring, JUnit, Mockito, Keras, Numpy, ScikitLearn, Pandas, Tensorflow, MVC

Tools & Platforms: Git, Maven, Hibernate, MySQL, WordPress, Docker, Unity

Projects

Intrusion Detection System with Deep Learning

January 2019 – May 2019

▹ In this project, we have implemented an Intrusion Detection System (IDS) with different machine learning and deep learning models. Models are created using deep learning architectures and they are used to process the data needed for IDS. In order to process the required data for IDS such as network traffic, event logs and performed attack type, CSE CIC IDS 2018 dataset, which is the latest dataset offered by the collaboration of Communications Security Establishment (CSE) & the Canadian Institute for Cybersecurity (CIC) and KDD Cup 99 dataset, are used.

Secret Messaging with Image Steganography

February 2019 – May 2019

▹ Web application designed for military use. Authorized users can perform, embedding of encrypted message into the uploaded image, or decryption of the extracted message from the obtained image, operations by logging in. Users can send messages within application.

PistiGeldi

August 2018 – January 2019

▹ The main goal of the project/Start-up is providing business opportunities to housewives by selling the food they cooked at home. Also, the platform provides solutions to people who want home cooking food and looking for cooks for various small organizations. Project was accepted by many well-known start-up incubation centers like Yıldız Technical University, Türk Telekom, etc.

Publications

▹ Cem Berke Çebi, Hazal Fırat, Fatma Sena Bulut, Ozgur Koray Sahingoz, Gözde Karataş, "Comparison of Machine Learning Models in Intrusion Detection Systems ", Erzincan Binali Yıldırım University Journal of Science and Technology (Accepted for Publication), 2019, 15 pages

▹ Cem Berke Çebi, Hazal Fırat, Fatma Sena Bulut, Ozgur Koray Sahingoz, Gözde Karataş, "Deep Learning Based Intrusion Detection Systems: A Comparative Study", SAUPEC/RobMech/PRASA 2020- which 28th Southern African Universities Power Engineering Conference, the 12th Robotics and Mechatronics Conference of South Africa and the 30th Annual Symposium of the Pattern Recognition Association of South Africa Cape Town 29-31 January 2020 (Accepted for publication)

Certificates

- Neural Networks and Deep Learning - deeplearning.ai
- Divide and Conquer, Sorting and Searching, And Randomized Algorithms - Stanford University
- Machine Learning with Python - Level 1 - IBM
- Python for Data Science - IBM
- Intermediate Python for Data Science - Datacamp
- Introduction to Game Development - Michigan State University

References

*Academic and professional references will be provided upon request.