YUCUI WU

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EDUCATION

M.Sc. in Computer Science, University of Tartu, Estonia Sep 2023 - Present

Emphasis in Artificial Intelligence; Coursework: Algorithmics, Cloud Computing, Distributed Systems, Enterprise System Integration, Big Data Management, Machine Learning, Neural Networks, Natural Language Processing

B.Sc. in Software Engineering, Huazhong University of Science & Technology, China Sep 2010 - Jun 2014

TECHNICAL SKILLS

Languages: Chinese(Native), English(Fluent), Estonian(Basic)
Programming Languages: Python, Java, JavaScript, Swift, Go, CSS, HTML
Libraries: Tensorflow, PyTorch, Sklearn, Seaborn, SciPy, Numpy, Pandas, Matplotlib
Framework & Platforms: React, Vue, RESTful API, Flask, Spring Boot, MySQL, PostgreSQL, Azure, AWS
Developer Tools: Linux, Docker, Jenkins, Git, GitHub, Postman

ACADEMIC PROJECTS

Build an online bookstore Feb 2024 – Mar 2024

- Implemented microservices in a Dockerized environment with intelligent routing logic
- Set up RESTful APIs for smooth communication between client applications and microservices
- Implemented gRPC for inter-service communication within the backend, enabling RPC calls for various services
- Leveraged PostgreSQL to design the database schema, ensuring robust data storage and retrieval mechanisms

Create PetCareHub for pet owners Feb 2024 – Mar 2024

- Implemented Java and Spring Boot for back-end functionalities to manage pet care information
- Employed Maven for project and dependency management, automating builds and fostering teamwork for efficient development processes
- Conducted testing and validation of API endpoints using Postman to guarantee reliability of the system

Analyze student activity in the computer programming course Nov 2023 – Dec 2023

- Predicted students' final scores by implementing feature engineering combined with models such as Linear Regression, Decision Trees, Random Forest, XGBoost, and SVM, achieving an absolute difference of 5 points
- Utilized k-means algorithm to determine optimal K through silhouette coefficient and elbow method. Subsequently, employed several supervised models for student classification, leading to consistently accurate clustering results

WORK EXPERIENCE

Product Operations manager Feb 2021 – Nov 2022
ByteDance Ltd. Beijing , China

- Managed intelligent voice robot operations: docking customer requirements, outputting project implementation plans and tracking operation status to ensure timely delivery and smooth running with customer satisfaction above 85%
- Utilized tableau to locate problems by using intention definition and optimization, corpus upgrading, test set updating, etc., and the KPIs of each business line were all improved by more than 30%

Product development manager Apr 2018 – Nov 2020
Ping An Insurance Ltd. Shanghai , China

- Product design of intelligent voice robot: focused on the design of outbound and inbound call management, tactics management, data statistics and analysis modules, outputted product prototype and PRD
- Project management: responsible for presenting the project, formulating the development plan and segmenting tasks in the WBS. Coordinated resources across all parties, monitored progress and facilitated online product iteration

Android Programmer Jul 2014 – Aug 2017
OPPO Ltd. Shenzhen , China

- Utilized Trie data structures and inverted indexing methods to facilitate quick and accurate document retrieval in desktop search applications, ensuring a satisfying user experience
- Developed custom lock screen widgets using Android RemoteViews for displaying dynamic content efficientlyimplemented background services with optimized threading to update widget content seamlessly