YUCUI WU

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EDUCATION

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

Coursework: Algorithmic, 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: Python, Java, JavaScript, 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

- Built responsive and user-friendly interfaces using Flask and Vue, developed RESTful APIs, implemented CRUD operations for various functionality, applied Flask-WTF and JWT for authentication and authorization
- Defined service contracts using Protocol Buffers and implemented gRPC server and client stubs for critical backend services, such as inventory management, order processing, and payment gateway integration

Create PetCareHub for pet owners   Feb 2024 – Mar 2024

- Utilized Spring Boot's extensive libraries and annotations to implement core features such as user authentication and authorization, RESTful API development, database integration and asynchronous task processing
- Integrated multiple payment gateways into the system using their respective APIs and implemented error handling, retries, and notifications for payment-related events, following PCI DSS compliance guidelines

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