Wen Dong

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SKILLS

- Programming Languages: Python/Numpy/Pandas, Ansible/Terraform/Bash, C/C++/C#, Java
- Cloud Computing: AWS (Certified)/EKS/Boto3/Lambda/IAM/SG/VPC, GCP/BigQuery/GKE
- Framework & Libraries: Docker/Kubernetes/Helm, Jenkins, Selenium, Django/Angular/Flask
- Software Tools: Git, Visual Studio Code, PyCharm, Eclipse, UML Tool, Tableau, Jupyter Notebook
- Database: MySQL, Oracle, MS SQL Server, PostgreSql, MongoDB, Neo4j
- Software Engineering: Agile/Scrum, Object-Oriented Design/Analysis, Cloud-based DevOps

EDUCATION

Master of Applied Computing, University of Windsor, ON   Sep 2020 – present
- Relevant courses – AI Introduction, Advanced Computing Concepts, Advanced Database, Advanced Software Engineering, Advanced System Programming, AI Workshops
- Available for a 4-month internship starting from Sep 2021

Computer Science, Wuhan University of Sci & Tech, Wuhan, China   Sep 2002 – Jun 2006
- Relevant courses – Database, Data Structure, C Programming Language, Operating System

ACADEMIC PROJECTS

IEEE CIS/SMC Deep Learning Challenge, University of Windsor, ON   June 2021 – July 2021
- Gone through a complete lifecycle of Deep Learning data analysis, including data preprocessing, feature selection, standardization & normalization, model building, tuning and evaluation, using TensorFlow/Keras/KerasTunner, scikit-learn. **Second Winner** https://github.com/fanchuanster/uwinds3/tree/master/challenge/CIS_SMC

Online Learning App, University of Windsor, ON   May 2021 – July 2021
- Practiced various Django components - fundamentals, template (inheritance), URL patterns & namespace, form & model form, authentication, admin, etc.

WORK EXPERIENCE

SaaS System Engineer, Micro Focus, Shanghai, China   Sep 2019 – Present
  Technologies: Python, AWS/EKS, Docker/Kubernetes/Helm, Terraform/Ansible, Jenkins, Oracle DB/PostgreSql, Linux (Centos & Ubuntu)
- Framed ALM the leading application lifecycle management system in the market into a Kubernetes & docker paradigm and migrated customers from the legacy provisioning, integrated the state-of-the-art DevOps technologies & practices – EKS, K8s, Docker, Helm, enabling hundreds of customers to enjoy a scalable, reliable, fast-paced offering
- Innovated and created a health check tool with automatic remedy to effectively handle various common issues in customers' environment in SaaS platform using Python, Ansible

- Designed and implemented an automation to collect SaaS customers' daily license usages, calculate peak usage and report to a central hub enabling Sales and Customer Care teams to intrigue customers' engagement and satisfaction
- Built automations to identify idle and costly AWS resources like EC2, S3, EBS and Snapshots, and apply cost down policies
- Handled issues & requirements from customers by trouble shooting, communication skills.
- Promoted to SaaS Expert due to excellence in work at Jan 2021

Senior Software Engineer, UFT R&D, Micro Focus, Shanghai, China   Jun 2013 – Aug 2019
Technologies: C++, C#/WPF
- Added SAP NWBC support to the Unified Functional Testing tool in C++ enabling thousands of enterprise customers to leverage UFT's rich functionalities to perform automated test on SAP NWBC applications
- Innovated a new feature allowing UFT users to generate automation scripts by drag and drop from Object Spy Dialog
- Improved 50% the performance of UFT's Object Identification for web objects by refining the page learning algorithm
- Facelifted another sibling testing tool Sprinter by completely rewriting the UI in WPF

Software Engineer, AB Suite, Unisys, Shanghai, China   Aug 2010 – Jun 2013
Technologies: C++, MS SQL Server
- Developed new features and improved product quality by fixing defects in the core module

Software Engineer, JRD Communication Inc, Shanghai, China   Jan 2009 – May 2010
Technologies: C++, Linux, MySQL, GDB, Valgrind debugging and profiling tool, UML
- Built an intermediate Linux daemon service serving as a bridge between various internet content providers and mobile phone users

Software Engineer, HiSoft, Shanghai, China   Apr 2008 – Dec 2008
Technologies: C++
- Worked as a Contingent Worker inside IBM to implement and test built-in commands in AIX

Junior Software Engineer, Neusoft, Shenyang, China   Jul 2006 – Mar 2008
Technologies: C/C++

SPORTS:
Ping Pong and Basketball, Walk and Bicycling