

Wen Dong

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SKILLS

- Programming Languages: Python/Pandas/Numpy, C/C++/C#, Java, Bash, Ansible
- Cloud Computing: AWS (Certified), Google Cloud/BigQuery/GKE/Colab
- Unix/Linux administration & system programming
- Software Tools: Git, Visual Studio Code, PyCharm, UML Tool, Tableau, Jupyter Notebook
- Framework & Libraries: TensorFlow/Keras/scikit-learn, Django/Flask, Selenium, Jenkins, Docker/Kubernetes
- Database: MySQL, PostgreSQL, Oracle, MS SQL Server, MongoDB, Neo4j

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

Bachelor of Engineering, Wuhan University of Sci & Tech, Wuhan, China Sep 2002 – Jun 2006

- Major – Computer Science and Technology
- 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

- Went through a complete lifecycle of Deep Learning data analysis, including data preprocessing, feature selection, standardization & normalization, model building, tuning and evaluation, using TensorFlow/Keras/KerasTuner, scikit-learn.
https://github.com/fanchuanster/uwinds3/tree/master/challenge/CIS_SMC

Diabetes Prediction System (Team Project), University of Windsor, ON Feb 2021 – Apr 2021

Technologies: TensorFlow/Keras, scikit-learn, Google Cloud

- Created a Neural Network model by applying Deep Learning algorithms to diabetes dataset and deployed it to Google Cloud
- Improved the prediction accuracy from 60% to 87% with KarasTuner

WORK EXPERIENCE

SaaS System Engineer, Micro Focus, Shanghai, China Sep 2019 – Present

Technologies: Python, AWS, Terraform, Ansible, Oracle DB/PostgreSQL, Docker/Kubernetes, Jenkins, Linux (Centos & Ubuntu)

- Framed the delivery of Application Lifecycle Management system into a Kubernetes & docker paradigm and migrated from the legacy provisioning process, integrated the best DevOps practices and state-of-the-art technologies – EKS, K8s, Docker, Helm, enabling hundreds of customers to enjoy a scalable, reliable SaaS offering.

- Designed and programmed to automate the deployment and upgrade process of our Application Lifecycle Management system on AWS
- Innovated and created a health check tool with automatic remedy to effectively handle various common issues in customers' farms in SaaS platform using Python and 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 gain insight into customers' engagement and satisfaction
- Built automations to identify idle and costly AWS resources like EC2, S3, EBS and Snapshots for cost down
- 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, 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