

Wen Dong

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SKILLS

- Programming Languages: C/C++/C#/WPF/WinForm/MFC, Python/Pandas/Numpy/PySpark, Bash, Ansible, Perl
- Software Design: Object-Oriented Design, Multi-threaded programming
- Software Tools: Git, Visual Studio/VS Code, PyCharm, Eclipse, UML Tool, Tableau, Jupyter Notebook
- Framework & Libraries: TensorFlow/Keras, Django/Flask, Selenium, Jenkins, Docker
- Cloud Computing: AWS (Certified)/EKS, Google Cloud/BigQuery/GKE/Colab
- Database: MySQL, Oracle, MS SQL Server, PostgreSQL, 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

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

- 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

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, Ansible, Oracle DB, Docker, RESTful API

- Designed and programmed to automate the deployment 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 intrigue 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, UFT R&D, Micro Focus, Shanghai, China Jun 2013 – Aug 2019
Technologies: C++, C#/WPF/WinForm

- 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