

Glenn JW

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SKILLS

PROGRAMMING

- Python • Java • MySQL • Docker
- Serverless • Kubernetes • JDBC
- VM • Hadoop • AWS Lambda
- Spark • Play 2 • Git • Linux
- ROS • Agile Development

EDUCATION

UNIVERSITY OF GEORGIA

PH.D. IN COMPUTER SCIENCE
2018 - Pres.

UCAS

MBA
2012 - 2015

RESEARCH

UGA CLOUD LAB | RESEARCHER

May 2019 – Pres.
Work with **Prof. Kim** to research Cloud Computing, Edge Computing, Performance Optimization, and Deep Learning.

COURSEWORK

GRADUATE

Advanced Data Analytics
Data Science
Reinforcement Learning
Machine Learning
Cloud Computing
Algorithms
Database
Distributed Systems
Robotics
Cyber Security

RELATED LINKS

Personal website: glennjw.github.io/cv/
LinkedIn: www.linkedin.com/in/glenn-jw-9812a617a/

PROJECTS

- **Hadoop analysis:** Use Hadoop to analyze Pinterest posts, filter and analyze the topic related posts on statistics.
- **Image analysis:** Classify drivers' behavior based on driving images. Analyzing the images and training a CNN network model with TensorFlow. The accuracy reaches 96.7%.
- **Clinic Appointment Chatbot:** Schedule clinic appointment through chatting with a chatbot in Slack. Using Slack's REST API connect to AWS Lambda function. Chat messages are processed by Python and AIML, Schedules are completed by interacting with remote MySQL DB server.
- **Edge Computing performance:** Analyze different DNN frameworks (PyTorch, Tensorflow, Mxnet) and models' performance on Edge devices (Jetson Nano, Raspberry Pi, TPU), and apply CME and DMP to maximize the performance.
- **Kubernetes auto-scaling :** Use Kubernetes auto-scaling (horizontal) to handle high HTTP traffic.
- **DNA sequence pairing:** Use Dynamic Programming pair DNA base.

EXPERIENCE

ERICSSON Apr 2008 - Aug 2018

JUL 2017 - AUG 2018 | SOFTWARE TEST ENGINEER

- Air Interface verification for new developed features on 3GPP standard systems: LTE, 5G, NB-IoT.

AUG 2011 – SEP 2012 | SERVICE DELIVERY MANAGER

- Be in charge of project implementation and management including risk, technique, customer satisfaction.

PUBLICATIONS

- [1] J. Hao, T. Jiang, I. K. Kim, and W. Wang. An empirical analysis of vm startup times in iaas clouds. *IEEE CLOUD*, 2021.
- [2] J. Hao, P. Subedi, I. K. Kim, and L. Ramaswamy. Characterizing resource heterogeneity in edge devices for deep learning inferences. *SNTA*, 2021.
- [3] P. Subedi, J. Hao, I. K. Kim, and L. Ramaswamy. Ai multi-tenancy on edge: Concurrent deep learning model executions and dynamic model placements on edge devices. *IEEE CLOUD*, 2021.