# 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**
Master of Business Administration
2012 - 2015

## RESEARCH

**UGA CLOUD LAB** | Researcher
May 2019 – Pres.
Work with **Prof. Kim** to research Cloud and Edge performance and optimization

## 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%.
- **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.
- **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.
- **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.