ZHONGWEI (LUKE) LI

DOCTOR OF PHILOSOPHY IN COMPUTER SCIENCE

⌖ EXPERIENCES

2019.02 — Present

Post Doctoral Fellowship
@ABACUS Lab ⚲ UT Arlington
- Design a high performance architecture for cloud-native application (STITCH model).
- Implementation of stand-alone & integration solutions of STITCH project.

2013.01 — 2019.12

Teaching/Research Assistant
@SERC Lab ⚲ UT Arlington
- Supervised research on resource provisioning of high-performance computing clusters.
- Performance modeling of data analytics platforms including Hadoop MapReduce & Spark.

2010.08 — 2012.12

Research Assistant
@Bioinformatics Lab ⚲ SUBR
- Supervised research on molecular dynamics of enzyme interaction with its substrate.
- Design experiments on LONI cluster, collecting & analyzing the data.

📂 SELECTED PROJECTS

Active

STITCH
@ABACUS Lab
- An extension to Pigeon scheduler in the edge computing field.
- Birds of A Feather: Go/Kubernetes/K3S/Kubeedge/Docker & Container/Bash Script

GA

Pigeon
@ABACUS Lab
- An efficient distributed hierarchical datacenter job scheduler out-performs existing solutions.
- Birds of A Feather: Java/Python/Maven/Thrift RPC/AWS Boto/Bash Script/Spark

GA

IPSO
@SERC Lab
- A performance model derived from Amdahl/Gustafson's Law for data analytics platforms with great enhancement in prediction accuracy.
- Birds of A Feather: Java/Spark/Hadoop

GA

Intern
@Illumi.co
- Team work on the Android & Android watch app.
- Birds of A Feather: Java/Android SDK

Active

Bling-blings
Github Repo
- My bug-free solutions to some interesting algorithms/math problems, constantly updating.

🎓 EDUCATION

2006.09 — 2010.07

Bachelor of Science in Mathematics and Applied Math
Dalian University of Technology ⚲ Dalian, China

Math or death, it's a question.

2010.08 — 2012.12

Master of Science in Computer Science
Southern University and A&M College ⚲ Louisiana, USA

I learn, I think, and I survive.

2013.01 — 2019.12

Ph.D in Computer Science
University of Texas at Arlington ⚲ Texas, USA

A wonderful journey awaits and a great story to be told. We can do it together.

CONTACT INFO

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- ⌂ ruby-.github.io
- in /in/zhongweili1987
- ✉ zhongwei.li@mavs.uta.edu

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💬

POWER

- ▭ Hadoop & Spark
- ▭ Java & Scala
- ▭ Android & iOS Dev.
- ▭ Git & Github
- ▭ C++/C, Python
- ▭ Go ^{new!}

WORK EFFICIENCY

- ✎ VIM, Eclipse, Intellij
- ⅢⅡ Mathematica
- ☁ AWS, Azure, GCP
- 🐳 Docker & Kubernetes
- ⊞ Visual Studio, Office 365
- Xcode