ZHONGWEI (LUKE) LI

LAST YEAR PH.D. STUDENT IN COMPUTER SCIENCE

EXPERIENCES

2013.01 | Present

Teaching/Research Assistant
@SERC Lab — UT Arlington
- Serving as TA of our core software development courses including: CSE4321, 5324, 6349.
- Supervised research on resource provisioning of WSCs (Warehouse-scale computers).
- 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.
- Building force fields for the relative molecules.
- Launching experiments in parallel on LONI cluster, collecting & analyzing the data.

SELECTED PROJECTS

Active

Pigeon
@SERC Lab
- An efficient distributed hierarchical datacenter job scheduler.
- Inspired by Sparrow Project initiated by UC-Berkley.
- An incubation project that brings Pigeon scheduling to Kubernetes is coming.

Active

IPSO
@SERC Lab
- A performance model derived from Amdahl/Gustafson's Law for data analytics platforms.
- The model covers both Hadoop MapReduce and Spark applications, which greatly outperformed traditional speedup laws in prediction accuracy.

Closed

Intern
@Illumi.co
- Connected with these fun people during HackDFW Hackson event.
- Built an Android apps for folk's internal usage.
- Built an Android Watch app (prototype).

Closed

Bling-blings
Github Repo
- Some applications/projects I built for classes or my friend's business.
- Some tools that I used for web crawling, including a customized version of SolrMeter to support SolrCloud instrumenting performance metrics.
- Some thinkings I had when I was learning or practising algorithms/math problems.

EDUCATION

2006.09 | 2010.07

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

Studying while playing, mostly the latter part. Enjoy video games and martial arts trainings.

2010.08 | 2012.12

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

Struggling to shift mind sets for computer knowledges, learn how to survive at foreign country. Reborn as a believer in life.

2013.01 | Present

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

Continue to learn fun stuffs including computer science, mathematics and philosophy. Becoming a strong and confident mind and body builder & problem solver. Starting to learn the truth about life/universe.

CONTACT INFO

- github.com/ruby-
- ruby-.github.io
- /in/zhongweili1987
- zhongwei.li@mavs.uta.edu
- 682-552-6667

POWER

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

WORK EFFICIENCY

- VIM, Eclipse, Intellij
- Mathematica
- AWS, GCP
- Docker & Kubernetes
- Visual Studio, Office 365
- Xcode