

KEVIN ASSOGBA

<https://10emyrt.github.io>
<https://gitlab.com/10eMyrT>

OBJECTIVE

Broaden my knowledge in the field of computer science while actively contributing in the growth of my employing organization. **Available August 2020.**

EDUCATION

ROCHESTER INSTITUTE OF TECHNOLOGY

Master of Science, Computer Science

Rochester, New York, USA

Expected May 2020 | GPA: 3.57/4.0

CHONGQING JIAOTONG UNIVERSITY

Master of Engineering, Logistics Engineering

Chongqing, China

Earned June 2018 | GPA: 88.1/100

PROJECTS

Distributed Bitcoin Mining

Implemented a blockchain generation system using OpenMPI, a batch splitting approach to share the nonce range and trained an ML model to determine the most suitable batch size.

TCP packet drops analysis and causes detection

Replicated a system proposed in a research paper aiming at using a Monitor-Discover-Analyze strategy to detect the causes of TCP packets drops. For experiments, we simulated linear and ring networks, and confirmed the findings.

Lemoine conjecture verification

Implemented sequential and parallel algorithms for the conjecture's verification. The parallel approach used OpenMP and was 3 times faster than the sequential version.

Database design and management based on Yelp business directory

Created the corresponding ER diagram, designed a relational schema, normalized collected data, populated tables and generated queries for database validation tests

Multi-echelon Logistics network optimization combining clustering with evolutionary algorithms

Generated clustering-based initial population, and improved the Non-dominated Genetic Algorithm-II by combining the Partial-mapped crossover and swap mutation operator, which efficiently sped up the routing computation.

TECHNICAL STRENGTHS

Programming languages

Java & C++ & Python & SQL

Operating Systems

Linux & Windows & Mac OS

Software & Tools

* OpenMP & OpenMPI & Apache Spark & Tensorflow & CUDA & MySQL
* R & Matlab & OpenFlow & P4 (Beginner level) & ArcGIS Pro & QGIS

WORK EXPERIENCE

Rochester Institute of Technology - Rochester, New York, USA

August 2019 - December 2019

Student Lab Grader

Implemented and graded students lab submissions for the course entitled *Analysis of Algorithms*.

Xiang Mao Logistics - Chongqing, China

March 2016 - June 2016

Logistics engineering Intern

Analyzed logistics operations costs, and proposed solutions to optimize the company's logistics network.

EXTRA-CIRRICULAR ACTIVITIES

- Member of RITLug (RIT Linux User Group)

August 2019 - Present

- Member of RITficial Intelligence (RIT Artificial Intelligence club)

August 2018 - Present

- Finalist of RIT Tiger Tank Competition

Fall 2019