

# KEVIN ASSOGBA

[www.kabbiny.com](http://www.kabbiny.com)

<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

*Student Lab Grader*

*August 2019 - December 2019*

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

### Xiang Mao Logistics - Chongqing, China

*Logistics engineering Intern*

*March 2016 - June 2016*

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

## EXTRA-CIRCULAR ACTIVITIES

- Member of RITLug (RIT Linux User Group)
- Member of RITficial Intelligence (RIT Artificial Intelligence club)
- Finalist of RIT Tiger Tank Competition

*August 2019 - Present*

*August 2018 - Present*

*Fall 2019*