

# Gloire Rubambiza

Cornell University  
Computing and Information Science  
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## Education

Cornell University	Ph.D., <b>Computer Science</b>	2018 - 2023 (Expected)
Grand Valley State University	B.S., <b>Computer Science</b>	August 2014 - April 2018

## Research Interests

Systems, Computing for Development, Human Computer Interaction

## Research Talks

- **Gloire Rubambiza**, Dirk Grunwald, Eric Wustrow (2017). "Measurement and Statistical Analysis of Submarine Internet Cable Performance." Presented at the Leadership Alliance National Symposium (July 2017)
- **Gloire Rubambiza**, Jerry Scripps (2016). "Improving African Internet Traffic through Maximization of Node Centrality." Presented at the 22<sup>nd</sup> Annual University at Buffalo McNair Summer Research Conference (August 2016)

## Posters

- **Gloire Rubambiza**, Dirk Grunwald, Eric Wustrow (2017). "Measurement and Statistical Analysis of Submarine Internet Cable Performance." Presented at the Grand Valley State University Student Scholars Day (April 2018)
- **Gloire Rubambiza**, Dirk Grunwald, Eric Wustrow (2017). "Measurement and Statistical Analysis of Submarine Internet Cable Performance." Presented at the Michigan AGEP Alliance Fall Conference (October 2017)
- **Gloire Rubambiza**, Dirk Grunwald, Eric Wustrow (2017). "Measurement and Statistical Analysis of Submarine Internet Cable Performance." Presented at the University of Colorado Boulder Summer Poster Session (August 2017)
- **Gloire Rubambiza**, Jerry Scripps (2016). "Improving African Internet Traffic through Maximization of Node Centrality." Presented at the Grand Valley State University Summer Scholar Showcase (August 2016)

## Undergraduate Research Experiences

### University of Colorado Boulder SMART Program

June 2017 - August 2017

**Adviser:** Dr. Dirk Grunwald, Area: Systems

Submarine cables handle approximately 95% of inter-continental Internet traffic. This study aims to elucidate the performance of submarine cables through the analysis of metrics such as available bandwidth and packet latency.

### Ronald E. McNair Scholars Summer Research Program

May 2016 - August 2016

**Adviser:** Dr. Jerry Scripps, Area: Networks

For most African nations, a broadband Internet subscription is more than the average per capita yearly income. This study aims to improve the intra-African Internet traffic using strategic link addition algorithms to increase the closeness of a sample network.

## Industry Experience

### Collective Idea

Software Development Intern

August 2016 - December 2016

- Developed a predictive algorithm for the Dead Man's Snitch application based on confidence interval and past log data
- Paired with senior developers on in-house projects such as add.a.lingua

## Honors and Awards

Cornell University Fellowship

2018 - 2019

Upsilon Pi Epsilon Honor Society

2017 - 2018

Eric Jon Gillette Memorial Scholarship

2016 - 2018

Ronald E. McNair Scholar

2015 - 2018

## Volunteering/Leadership Experience

### The Village at Ithaca

Student Achievement Coach

January 2019 - February 2019

- Introduced new tutors to the structure of community-based learning environments.
- Provided a positive academic learning environment for local K-12 students through one-on-one tutoring support and empowerment through trust based connections.

### IEEE Computer Society

Registration Desk Volunteer

June 2017

- Helped registrants with checking in and answering any questions pertaining to the 47th IEEE/IFIP International Conference on Dependable Systems and Networks.

### The Immigrant Connection

Citizenship Class Tutor

January 2017 - March 2017

- Helped immigrants and former refugees familiarize themselves with the citizenship process during lessons on American history and civics.
- Improved the future citizens' confidence through quizzing on American civics and improving English literacy in anticipation for their U.S. citizenship test.

Feb. 2019

**Samaritas**

Refugee Cultural Mentor/ESL Tutor

September 2016 - December 2016

- Organized weekly English lessons for an immigrant family to strengthen their English speaking and writing skills.
- Coordinated occasional trips to downtown Grand Rapids, MI and surrounding areas to familiarize the new immigrants with their new environment, including, but not limited to, how to use The Rapid bus system, city pedestrian and vehicular interaction rules, grocery shopping.