

## Blaise Muhirwa Munyampirwa

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### EDUCATION

#### UNIVERSITY OF CHICAGO,

*B.S. in Computer Science / B.A in Statistics*

Chicago, Illinois

Expected, June 2022

**Relevant coursework:** Data Structures, Algorithms, Abstract Linear Algebra, introduction to Computer systems, statistical theory and applications.

**Honor and awards:** Dean's List

### TECHNICAL SKILLS & OTHERS

#### Programming Languages:

**Proficient:** Java, C, Python

**Intermediate:** Javascript

#### Web Technologies and Frameworks:

**Proficient:** Node.js, jQuery, Bootstrap, HTML, CSS

**Intermediate:** React.js

**Machine Learning:** TensorFlow, Scikit-Learn, Numpy, Pandas

**Databases:** MySQL

**Personal Projects:** <https://github.com/BlaiseMunyampirwa>

**Language Skills:** English, French, Kinyarwanda

### WORK EXPERIENCE AND PERSONAL PROJECTS

#### Insightiv Technologies

Kigali, Rwanda

*Software Engineering Intern*

June 2020 – Present

- Develop new machine learning deployment tool using Python and TensorFlow software library to optimize the workflow for radiologists
- Collaborate on implementing Insightiv's diagnostics platform to allow clinics and medical practitioners to perform AI-assisted medical diagnostics

#### Knapp Center for Biomedical Discovery, University of Chicago

Chicago, Illinois

*Machine Learning Intern*

June 2019 – September 2019

- Trained and tested a deep learning model using the Xception architecture to improve the classification of cancer patients based on gene expression
- Implemented Python and R programs for analyzing and visualizing data via regression models in order to quantify research progress

#### Ponte

Chicago, Illinois

*Web Development Intern*

May 2020 – Present

- Coordinate with the development team to create a back-end for Ponte's web application using Node.js
- Improve the front-end of the web application using HTML5, CSS and React.js to ensure excellent customer experience

#### Computer Science Department – University of Chicago

Chicago, Illinois

*Undergraduate Research Assistant*

October 2019 – Present

- Write scripts in java to read and write files from HDFS to improve the scalability of the lab's data discovery engine
- Perform data analysis and visualization using primarily Pandas, Numpy, and Scikit-Learn to efficiently determine the accuracy of the discovery engine

### LEADERSHIP AND ACTIVITIES

#### Student Government of The University of Chicago

Chicago, Illinois

*Parliamentarian*

October 2019 – Present

- Collaborate with the executive committee to implement projects that improve student life on campus
- Co-chair weekly meetings with the assembly consisting of 16 representatives of the student body

#### Bridge2Rwanda Scholars Program

Kigali, Rwanda

*Class of 2018 Co-President*

March 2017 – March 2018

- Represented a cohort of 37 scholars in weekly meetings with the staff to identify areas of focus for students' academic progress
- Coordinated weekly community service projects to financially assist widows and orphans in the community

