

Florentin Niyongere

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EDUCATION




Saint Cloud State University, St cloud, MN, USA:

Expected: May 2021

- **Major:** Bachelor of Computer Science.
- **Scholarship:** Microsoft Tuition Scholar / Academic and cultural sharing scholarship
- **Relevant courses:** Networking, Calculus, Object Oriented Programming, Operating Systems, Computer Architecture, Data Structures and Algorithms, Evolutionary Computation.

EXPERIENCE

 **MAIEI Summer Research Internship, Montreal, Canada.**

June 2019 - August 2019

- Worked remotely with the Montreal AI Ethics Institute team throughout 2 months on a research project based on AI technology.
- Making use of my security/privacy applications concepts in AI to enhance the research project as well share/collaborate with other fellows.
- The program aims at building applied artifacts and public competence to enhance future AI infrastructures.

 **Software / Graphical engineer Intern at Visualization Lab, Saint Cloud, MN, USA.**

June 2018 - August 2018

- Joined a team of designers to develop the future of Virtual Reality using Blender, Maya, Unity and Autodesk with applications ranging from entertainment to education purpose.
- Developed a VR Medieval game using Unity, object-oriented programming in **C#** and **python**. This game became part of projects exhibited that resulted into an increase in student interest in technology on campus.
- Developed an interactive river in Unity that educates on river pollution which resulted in an increase of pollution awareness.

 **Twitter #EARLYBIRD, in San Francisco, CA, USA.**

May 2018

- Selected & sponsored to participate in a program at Twitter HQ focused on professional and technical development.
- Used **JSON** and **Nodejs** to develop a new tab feature for twitter profiles.
- Collaborated with a team of 6 members for the **#TAKEFLIGHT** challenge and won the **#BESTPRESENTATION** award.

SKILLS & INTERESTS

- **Programming languages:** C++, Python, Java.
- **Web & Database & graphic designing/ UI/UX:** HTML, CSS, JavaScript, Bootstrap, MongoDB, JSON, Blender, Unity.
- **Professional skills:** Consistency, Leadership, Organization, Management, Altruistic.
- **Interests:** Education, Engineering, Blockchain Technology, VR/AR, Artificial Intelligence, Music, Basketball, Philanthropy.
- **Languages:** Fully proficient in English, French, Swahili, Kirundi and Kinyarwanda.

PROJECTS & COMPETITIONS

 **Google NSBE 45TH Hackathon 1st place Winner, in Detroit, Michigan, USA.**

March 2019

- Selected for the NSBE hackathon sponsored by Google, JP Morgan Chase & Co, Two Sigma, Goldman Sachs and American Express.
- Collaborated with 5 other students and worked actively for 16 hours straight over night building the front-end portion of our project using **HTML, CSS, Bootstrap, JavaScript**. Connected the backend portion to the front-end through converting the front-end code into **embedded JS**. Help build stripe like API to implement payments options on our web application.
- Won the 1st prize After presenting our web application which is a revolutionary system for donation. The Impact of this project is psychological for donors, fund raising for organizations and data collection that will be used by financial firms to make suitable investments.



IBM call for code Challenge, USA.

March 2019 - July 2019

- Invited to participate in the massive call for code by IBM.
- Teamed up with 3 other fellows to build an ecosystem based on Artificial Intelligence, Hardware and Blockchain. This system act as a collector of data in terms of damage and comes up with an estimate of required material, workforce and funds needed.
- The project will help communities to rebound from these unfortunate events more efficiently while gaining precious time.

 **Facebook Udacity Scholarship challenge, USA.**

May 2019 - August 2019

- Selected as a recipient of the Facebook Udacity Scholarship for their Secure and Private AI course.
- Study/Practice 18 hours per week on assignments and projects. Learning **Pytorch** and security measures such as federated learning, differential privacy and encrypted computation.
- Teamed up with 3 other fellows and built a system that allows data exploitation for advertisement and business purposes with a focus on restrictions on data access.

LEADERSHIP & ACTIVITIES

- Code2040 finalist **September 2019**
- Goldman Sachs Virtual Insight Participant. **May 2019 - August 2019**
- Global Leadership Academy. **May 2019**
- BlackRock Find your future forum Participant. **April 2019**
- Corporate Relations Chair at NSBE region IV. **March 2019**