Innocent Niyibizi

https://github.com/25cent9
https://www.linkedin.com/in/iniyibizi/
inrkb@mst.edu | (314) 651-7436

Education: Missouri University of Science and Technology (Missouri S&T)   Fall 2016 - Present
In-progress B.S Computer Science   **GPA: 3.4/4.0**

Experience

Missouri S&T – Multirotor Robot Design Team   Rolla, MO
Head of Autonomous Flight   Aug. 2017 – Present
- Managed a team of four new team members to research and implement ways to perform autonomous, aerial maneuvers.
- Used P.I.D controller to implement autonomous take-off, hover, and landing.

Head of Collision Avoidance   Jan 2017 – Aug 2017
- Tasked with finding ways to prevent the quadcopter from colliding with obstacles while flying autonomously.
- Implemented a 360° scanning LIDAR system to detect obstacles and perform aerial maneuvers necessary to avoid collisions

Missouri S&T – IT Help Desk   Rolla, MO
Student Help Desk Employee   Jan 2017 – Present
- Provided technical support to the students and faculty of Missouri S&T both over the phone and in person.
- Processed 3D prints for students and faculty.

Special School District   Town & Country, MO
IT Help Desk Intern   June 2015 - Aug 2017
- Provided technical support to faculty and staff of Special School District.
- Lead a team of two other interns during my second year to complete the task of reimaging and updating more than 700 student computers and mobile devices.
- Used Windows PowerShell and Batch files to create scripts that would help automate the reimage and updating process.
- Worked with the software development team to develop Python and SQL scripts that would help maintain their asset tracking database.

Computer Skills C++   Python   VB.NET   Android   macOS   Windows   Linux

Projects **Swoly**: A fitness app that logs and computes weight to lift based on given max weight.
- Developed for Android in Java and uses SQLite to log weight progression

Honors & Activities ACM SIG Competition – Vice Chair
Association for Computing Machinery (ACM) - Member
Miner Village Hall Association – Member