

Tuntufye Kitwika Mwakalasya

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<https://github.com/Tmwakalasya> |

EDUCATION

Florida International University

Expected Graduation: May 2026

Bachelor of Science(B.S) Computer Science

Relevant Coursework: Programming 1 (COP2210 Google in Residence Program), Calculus 2 (MAC2312) , Discrete Math(MAD2104), Programming 2(COP3337)

PROJECTS

Corona Vaccine record(Java)

September 2023

- Developed domain classes to represent patients and vaccination records, for tracking COVID-19 vaccination data.

Bitbike(Python,Javascript,HTML,CSS)

September 2023

- Developed a project to help people exercise and gain knowledge on Bitcoin simultaneously
- Contributed to API development integration into our website using the Google Maps API in Python
- Worked with a team of 3 as part of Shell Hacks 2023

Blockchain Network Simulator(Java)

September 2023

- Created a basic blockchain using Java to learn the fundamentals of blockchain technology.
- Developed a simple blockchain structure with blocks containing transaction data and timestamps.
- Used basic cryptographic hashing to secure block content.
- Established a chain of linked blocks to maintain a transaction history.
- Implemented unit tests using JUnit to verify every aspect of the blockchain worked as it should.

PixelGate(Python,Tensorflow,OpenCV,Raspberry pi)

October 2023

- Developed a project to help identify people at your door using machine learning algorithms and facial recognition with a Raspberry Pi acting as a camera.
- Implemented Delauney's triangulation and vectorization algorithms to map faces and store them on a vector database.
- Implemented custom SMS alert notifications to users using the Twilio API
- Worked with a team of 3 as part of HackHarvard 2023

SKILLS

Programming Languages: Python(intermediate), Java(Advanced)

Technologies: IntelliJ, Pycharm, Git, Github

EXTRACURRICULAR ACTIVITIES

Colorstack, Member

August 2023-Present

INIT FIU (Florida International University), Member

January 2023 - Present

Google Developer Student Club

August 2023 - Present

Shellhacks, Participant

September 2023

Hackharvard, Participant

October 2023