# Stanley Shikwambi

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https://github.com/shikwambipolly shikwambipolly.github.io

## Education

**Bachelor of Science in Computer Science and Mathematics (double major)** – final year student
Stellenbosch University, Stellenbosch, Western Cape

## Accomplishments

- **3<sup>rd</sup> place** in annual 2020 Namibia University of Science and Technology High School Programming Competition

## Skills

**Languages:** Java, Python, C, C++, HTML and CSS, SQL, JavaScript,
**Frameworks and Tools**: APIs, REST API, Git, Bootstrap 4/5, Linux, Temporal
**Curriculum**: Intro to Java, OOP, Data Structures and Algorithms, Intro to C, machine and assembly language, Computer Architecture, Operations Research, Pure Mathematics (double major), Software Engineering, Website Development and Databases

## Projects

### please_kendrick_lamar | Python

- a bot that checks whether Kendrick Lamar has released a new song in the past 24 hours
- sends a message with the result to me everyday
- accesses the Spotify API to retrieve data about artists albums.
- uses OA Auth 2.0 and the library, Spotipy, to return a response element with all albums.
- Twilio library is used to send a text message to a specified number/numbers.

### Personal portfolio and blog website | HTML, CSS, JavaScript with Bootstrap 5personal website that includes my CV.

- aim to include a football blog site that allows visitors to like and comment on posts.
- website has a page for all personal projects, blog, about and contact
- website is hosted on GitPages.

### @stansdadjoker | Python

- a twitter bot that tweets multiple dad jokes during the day
- scrapes the subreddit r/dadjokes and saves the 10 most upvoted for the day
- sends a post request to the Twitter API to post the jokes
- uses OA Auth2.0 and the PRAW library

## Experience and Leadership

### Mukuru Software Engineering Internship -- Johannesburg, Gauteng – July 2022

- familiarized with the AGILE methodology in the software development life cycle
- familiarized with the SCRUM framework and how it is applied in project management
- introduced to Flutter and Dart for mobile development

### Mukuru Software Engineering Internship – Cape Town, Western Cape – July 2023

- main task was to work on a product that was still in development
- worked in a group to identify weak points and improvements in the product
- worked through multiple smaller team building tasks

### Simonsberg Men's Residence House Committee – Stellenbosch, Western Cape – August 2022 to September 2023

- elected onto the Simonsberg House Committee for the 2022/2023 term
- portfolios are IT, Football, Cluster and Vensters
- looking to use my experience and knowledge from Computer Science to contribute mostly to the IT portfolio

### Computer Science 1 Teaching and Learning Assistant – February 2022 to current

- act as a liaison during face-to-face and online lectures by answering questions from students.
- take command of tutorials and help students with the tutorial, as well as their semester project.
- mark and test students' semester projects.