

# Jose Dieudonne Zindia

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## EDUCATION

**Berea College-** Cumulative GPA: 3.55

Berea, Kentucky

**Major:** BA, Computer Science, Political Science

Expected Graduation: May 2018

**Scholarships/Honors/Awards:** Full 4-Year Tuition Scholarship, Dean's List (4x), Young Leaders Award

**Relevant Coursework:** Software Design, Software Engineering, Database Systems, Data Structures/Algorithm, Discrete Math, Networking, Statistical Research Methods, International Relations

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## SKILLS

**Programming/Scripting Languages:** Python | Ruby | C/C++ | HTML & CSS/JS | Java |

**Databases:** SQLite | MySQL | NoSQL | MongoDB

**Technologies:** Flask | Ruby on Rails | Django | Angular.js | Jinja | Bootstrap | jQuery | AJAX | Git | Jupyter | AWS | Google Cloud

**Languages:** English (Fluent) | South Sudanese Arabic (Native) | French (Basic)

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## EXPERIENCE

**Student Software Developer** | Berea College, KY

Jan 2017 – Present

- Collaborate in a team of 8 to develop and deploy 3+ live web applications used by 1600+ students and 300+ faculty by using **Flask/Jinja** framework
- Update clients frequently about the status of their requests and respond to their feedback on software iterations
- Maintain systems, resolve at least 3+ issues/bugs per week on 3 live web applications in a team environment using **Git**

**Teaching Assistant**—Software Design | Berea College, KY

Aug 2017 – Present

- Grade assignments, lead a weekly 5-hour helper session for a class of 30 students and assist faculty in managing course activities

**Software Engineering Intern** | Berea College, KY

Summer 2017

- Spent 400+ hours developing and maintaining 3 dynamic web applications using Python-based **Flask**, **SQLite** and **jQuery** in a team environment; upgraded interfaces and improved performance of an existing chemical inventory web app by **25%**
- Developed and implemented a data analytics web application using **Rails** for the front-end and **MySQL** for the back-end
- Became adept in using **Agile**, **Lean**, reviewing Git pull requests, merging conflicts and collaborating closely with other team members to plan, design and develop robust solutions that elevated client-side experience

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## PROJECTS

**Image Recognition Using Kaggle Dataset (2017)**

- Using dataset consisting of 15000+ images from the Kaggle competition, I developed a **machine learning** model to learn and classify a set of new images as cats or dogs using **AWS** and **Jupyter**. The classifier achieved **90% classification accuracy**.

**SafrikList (2017)**

- A **Flask/Jinja** based travel bucket list web application where users can create and share bucket lists of the places that they would like to visit in Africa.

**V-Pet (2016)**

- Developed a virtual pet treasure hunting game using **AI's** backtracking algorithm. (more projects at [github.com/josezindia](https://github.com/josezindia))

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## OTHER RELEVANT EXPERIENCE & COMMUNITY ENGAGEMENTS

**Administrative Associate** | Berea College, KY

May 2015 – Dec 2016

- Carried out routine administrative duties; migrated and archived 1000+ shared server based files to a cloud based software

**Movement Control Assistant** | United Nations, South Sudan

Feb 2014 – Jul 2014

- Checked in passengers and coordinated travel bookings for the United Nations mission's flights

**Event Associate** | Entrepreneurship for the Public Good, Berea, KY

Summer 2016

- Promoted healthy and active lifestyles among children aged 6–15 by co-leading a group of 20 students that organized the first ever children's triathlon in Berea town.

**AFFILIATIONS:** Computer Science Club (Hackathons), IEEE, Sponsors for Educational Opportunity (SEO), Alpha Sigma Chi, African Student Association, Model African Union Group (Student Ambassador).