



ERIC KHUMALO

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EDUCATION

University of California, Berkeley

Expected May 2019

Bachelor of Arts, Computer Science

- Computer Science Scholar | MasterCard Foundation Scholar

Coursework: Discrete Mathematics, Introduction to Database Systems, Great Ideas in Computer Architecture (Machine structures), Data Structures and Algorithms, The Structure and Interpretation of Computer Programs, Linear Algebra and Differential Equations, Introduction to Economics, Productive Use of the UNIX Environment, Physics, Calculus.

EXPERIENCE

Software Engineering Intern, Twitter HQ, San Francisco, CA

May – August 2017

Global social networking service with over 313 million monthly active users and 500 million Tweets sent per day.

- Build a pipeline to handle spammy reports on the platform for the AntiSpam team in Product Safety
- Improved an internal tool to help agents review and execute actions on spammy accounts
- Organized events as part of the Intern Program board and member of the Blackbirds diversity group.

Software Engineering Intern, Twitter HQ, San Francisco, CA

June – September 2016

Global social networking service with over 313 million monthly active users and 500 million Tweets sent per day.

- Worked with Ruby, Scala, JavaScript and other technologies on a **full-stack** implementation of internal anti-spam and anti-abuse tools for the Account Security team in Product Safety, Bluebird Engineering Pillar.
- Merged over 30 unique bug fixes and project components into production in the Twitter Agent Tools code base.
- Participated in over 15 #TwitterAcademy classes on Web Security, Twitter Architecture, Functional Programming.
- Utilized Ruby, Mustache, and Scala to track user devices and integrate with other Product Safety systems.
- Welcomed and hosted Congressman John Lewis for the MARCH Trilogy Discussion (<https://www.periscope.tv/w/1OyKAbjPMILGb>)

Chief Technology Officer, FamKeepa Inc, Delaware

Nov 2016 – Present

Start-Up. A web based marketplace that allows the African diaspora to directory transfer value to retailers based in their home countries.

- Designed, built and maintained the development infrastructure to support collaboration, code reviews, testing, continuous integration and deployment.
- Implemented product updates and enhancements. Fixed bugs and developed the Testing Environment.

Intern, American Embassy – EducationUSA, Zimbabwe

Aug 2014 – Jan 2016

American-style library and one-stop for those who want to study in the US and attain advice on the application process.

- Compiled scholarship information and developed handouts and educational advising resources.
- Advised and informed students and the public about educational opportunities in the U.S.

Teacher, Tsholotsho, Zimbabwe

May – Aug 2014, Jan-Jun 2015

Mathematics and Science Teacher at rural Tsholotsho High School, John Landa Nkomo High School and Mate Secondary School

- Achieved first 100 % Pass rate for Ordinary Level Physical Science in Tsholotsho District (Tsholotsho High, 2015.)
- Served as Team Manager and Trainer for the District Athletics Team.
- Taught Advanced Level Mathematics and Chemistry.

PERSONAL PROJECTS

Planetary Orbits – Teaching Aid

Dec 2015

- Used Webkit and CSS3 to make a Simulation (erickhumalo.com/solar) of Planetary Orbits to be used by teachers as a learning aid.

VOLUNTEER

Eric Khumalo Mentorship Program, San Francisco, CA

June 2016 – Present

- Awards prizes to outstanding High School students at Nketa, Mzinyathini and Tsholotsho High Schools in Zimbabwe who exhibit academic excellence, give-back ethos, leadership skills and engagement.
- Offers mentorship to the talented youth and help them access opportunities.

Twitter for Good, San Francisco, CA

Aug 2016

- Served meals at Glide Shelter and also assemble 400+ #BacktoSchool backpacks to give to kids as part of National Night Out

Mathematics Tutor, Nketa High School, Bulawayo

Feb 2014 – Jun 2015

- Taught Advanced Level Mathematics and served as a consultant for the Math department to improve the pass rate.

AFFILIATIONS

- Founding Member and Director of I. T – ZimCode | Co-Founder of ExIAfrica | Twitter Blackbirds | LeaderShape Institute | Berkeley Pre-Engineering Program | Founder and Sponsor of the Eric Khumalo Achievers Awards

AWARDS AND HONORS

- MasterCard Foundation Scholarship | Accepted into the United States Student Achievers Program – USAP | Finalist in the Zimbabwe Old Mutual Mathematics Olympiad

PROGRAMMING LANGUAGES AND TECHNOLOGIES

- Java | Python | Unix | Ruby | HTML5/CSS3 | Mustache | Git | JavaScript | Scala | Scheme | SCSS.
- IntelliJ | Jira | TCP/IP | Microsoft Office | ReviewBoard | Phabricator | Continuous Integration

OTHER SKILLS AND INTERESTS

- Languages: Ndebele/Zulu, Xhosa, Shona and English Speaker | Familiar with SiSwati, Venda, Kalanga, Sotho.
- I write poems and short articles which I publish on my website (erickhumalo.com/writings)