



ERIC KHUMALO

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Looking for Full Stack Software Engineering Roles

EDUCATION

University of California, Berkeley

Aug 2020

Bachelor of Arts, Data Science with Domain Emphasis in Cognition

- MasterCard Foundation Scholar – full scholarship recipient

Coursework: Social Psychology, Probability for Data Science, Principles & Techniques of Data Science, Machine Learning, Database Systems, Artificial Intelligence, Data Structures and Algorithms, Linear Algebra and Differential Equations, Introduction to Economics, Ethics – Behind Data & Values,

Programming Languages: Java | Python | Scala | React, Redux & Flow | Unix | Ruby | HTML5/CSS3/SCSS | Mustache | Git | JavaScript | Angular | Scheme | SQL

Technologies: IntelliJ | VSCode | Jira | TCP/IP | Excel | ReviewBoard | Phabricator | Continuous Integration | TensorFlow | Jupyter Notebook

EXPERIENCE

Software Engineering Intern, Twitter HQ, San Francisco, CA

May – Aug 2018

- Worked with React and Redux, Scala, JavaScript and other technologies on a **full-stack** implementation of internal anti-spam and anti-abuse tools.
- Scaled the user reporting and execution infrastructure to attain a 56 % increase in efficiency towards spam eradication.

Software Engineering Intern, Twitter HQ, San Francisco, CA

May – Aug 2017

- 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 – Sept 2016

- 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.
- Utilized Ruby, Mustache, and Scala to track user devices and integrate with other Product Safety systems.
- Welcomed and hosted [Congressman John Lewis](https://www.periscope.tv/w/1OyKAbjPMILGb) for the [MARCH Trilogy Discussion](https://www.periscope.tv/w/1OyKAbjPMILGb) (<https://www.periscope.tv/w/1OyKAbjPMILGb>)

Instructor, Introduction to Programming & Computer Science, Bulawayo, Zimbabwe

May – Aug 2019

2 Month Give back Programming Bootcamp Project with 200 students initial enrollment modelled after CS61A course at UC Berkeley

- Taught functional programming, data abstraction and object-oriented programming to working professionals, university, high school and gap year students.
- 70+ hours a week in course preparation, content delivery, grading and office hours to ensure maximum understanding of course material | erickhumalo.com/cs7
- 42 out of 200 students completed the course, with 7 of these qualifying for their first all-expenses paid hackathon offered by the City of Victoria Falls, Zim

Software Developer Intern, Graduate School of Education, UC Berkeley, CA

Oct 2019 – April 2020

- Develops and maintains, under Web-Based Inquiry Science Environment (WISE), a learning management system combining technology with education
- Conducts visitations at Albany Middle School to audit classes and get feedback on how the WISE architecture is used
- Works with researchers on building tools they need to evaluate student activity and performance.

Research Computing Support Intern, Berkeley Research Computing, Berkeley, CA

Oct 2018 – Jan 2019

Supports UC Berkeley research with a coordinated set of services across a range of computation and data analysis needs.

- Provided direct support to campus researchers who need help building software for various compute environments
- Conducted evaluation and testing of internal cloud-based computing and data solutions with those offered by Microsoft Azure
- Developed projects for dashboards, analytics and visualization tools for the team and user community.

VOLUNTEER

Eric Khumalo Mentorship Program, San Francisco, CA

June 2016 – Present

- Awards laptops and other 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 helps them access opportunities.

Twitter for Good, San Francisco, CA

Summer 2016, 2017, 2018

- 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 [ExlAfrica](#) | [Twitter Blackbirds](#) | [LeaderShape Institute](#) | [Berkeley Pre-Engineering Program](#) | Founding member and organizer for the African Young Achievers Awards held annually in the United States. | United States Achievers Program (USAP)

AWARDS AND HONORS

- Awarded \$10000 to support teaching code by the Davis Project for Peace | MasterCard Foundation Scholarship | Accepted into the United States Student Achievers Program – USAP | Finalist in the Zimbabwe Old Mutual Mathematics Olympiad

OTHER SKILLS AND INTERESTS

- Languages: Ndebele/Zulu, Xhosa, Shona and English Speaker | Familiar with SiSwati, Venda, Kalanga, Sotho, KiSwahili