**Bazil Mupisiri T.**

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**Github:** https://github.com/bazilm16 **Linkedin:** https://www.linkedin.com/in/bazilmupisiri

**Education**

**Grinnell College Grinnell, IA**

*Bachelor of Arts, Computer Science Expected May 2018*

Relevant Courses

**•** Imperative Problem Solving and Data Structures **•** Functional Problem Solving skills **•** Algorithms and Object Oriented Design

**•** Financial Economics **•** Differential and Integral Calculus **•** Computer Networks **•** Discrete Structures **•** Analysis of Algorithms **Knowledge and Skills**

**•** Proficient in programming with PHP, Java and C **•** Web designing and development using HTML5, CSS3, and JavaScript (Vanilla and jQuery), React.js, Java Servlets, Real time web Applications **•** Experience with developing RESTful APIs **•** 2 years’ experience with Linux terminal and bash scripting **•** Database experience: MySQL and MongoDB **•** Agile Methodologies, Software Design Patterns, Algorithms, Data Structures, System Administration, Computer Networks (Network Protocols such as ADP, TCP and HTTP fundamentals) **•** Server administration

**Work Experience**

**Software Engineer,** 236 Chat (part time), Harare Zimbabwe (263chat.com) **[June 2016 – present]**

**Duties involved**

**•** Building their news distribution system to handle the backend for both web and mobile apps

**Lead Engineer,** African Exponent, (www.africanexponent.com) **[September 2016 – present ]**

**Duties involved**

**•** Developing a forum application to help over 250,000 unique visitors of the site socialize and communicate on trending world news

**Computer Science Teaching Assistant and Grader,** Grinnell College Computer Science **[August 2016 – present]**

**Linux System Administrator** (Mentored Independent Project / Internship), Grinnell College MathLAN, Grinnell IA

**[June 2015 – July 2015 (10 weeks)]**

**Duties involved**

**•** Installed new Debian GNU operating Systems for the network and researched on improvements to the system and website

**Web Development Intern,** B2C Co-working **[June 2016 – July 2016]**

**Duties involved**

**•** I worked on the backend for their new web based login and user management system

**Xerroe.com(Personal Project) [September 2015 – present (1 year)]**

**Duties involved**

**•** This is a social network I created (still under development) powered by the lamp stack as well as a self configured server

**Library Applications Development Intern**, Grinnell College Digital Library, Grinnell IA (<https://digital.grinnell.edu>)

**[December 2014 – February 2015 (3 months)]**

**Duties involved**

**•** Helped install the Drupal upgrade for Digital Grinnell and migrated over 1000 pieces of content from the old website to the new one

**•** Used PHP and ImageMagick to compress and process uploaded images

**Programmer/Web Developer**, Grinnell College Digital Library, Grinnell IA( <https://digital.grinnell.edu> ) **[February 2015 – present (1 year 6 months)]**

**Duties involved**

**•** Help maintain the Digital Grinnell website by assisting the development of the interface and backend system

**Assistant Systems Admin/Front-end Web Developer (***Volunteer***)**, Wieting Theatre, Toledo IA **[September 2015 – present (1 year)]**

**Duties involved**

**•** Helped create a web interface to manage one of the servers and created a web tool to help the system admin analyze the server and carry out tests

**Systems Admin/Programmer,** Prairie Journal (Root Stalk), Grinnell Iowa **[March 2016 – May 2015 (2 months)]** now **[current]**

**Duties involved**

**•** I’m currently working on an upgrade of their website for their journal

**Web Application Developer,** Education Matters Africa (voluntary), Harare, Zimbabwe **[June 2016– present]**

**Duties involved**

**•** I’m working on an Africa wide web application to connect African students studying over seas with African companies