

# Michael Rallo

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*Targeting an Entry-Level/Internship Position as a...*

## COMPUTER PROGRAMMER

### Career Objective

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I am approaching my final year studying Bachelor of Computer Science at the University of Missouri-Columbia. I am seeking a position in the Software Engineering/Web Development field where I can utilize my knowledge of programming languages, layout, design, and documentation to help meet and exceed the company's goals to achieve something significant and memorable.

### Education

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#### 2014 - Present: University of Missouri-Columbia (BS CS)

- **Majors:** Computer Science, Computer Engineering
- **Minors:** Mathematics
- **Current GPA:** 3.74/4.00
- **Anticipated Graduation Date:** May, 2017

#### 2012 - 2013: Saint Charles Community College (AA)

- **Obtained Degree:** Associate of Arts
- **GPA:** 4.00/4.00

#### 2008 - 2012: Fort Zumwalt North Highschool (HS Diploma)

- Graduated top **1%** of my class
- Graduated with Highest Honors (summa cum laude)

### Skills/Experience

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- Have Worked with **PostgreSQL servers** and the **PHP/SQL language**.
- Have Designed and Developed **Web Apps** with PHP, HTML5, SQL, JavaScript, jQuery, and the Laravel Framework.
- High Quality **Computer Skills/Troubleshooting Skills**. Proficient in computer repair, maintenance, programming, and troubleshooting.
- Have Developed **Applications** in **Java** including audio and visual apps.
- Have Worked with **GitHub** in tangent with **SourceTree**.
- Have **Collaborated** with Groups to Create, Document, and Implement Multiple Applications.
- Developed Countless **C Programs** that Manipulate Data, Files, Bits, and more via pointers, arrays, structures, etc.

### Technical Profile

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- **Programming Languages:** C, Java, PHP, SQL, HTML5, XHTML, CSS3, jQuery, AJAX, JavaScript, C++.
- **Software:** Eclipse, NetBeans, Visual Studio, Unity, Sony Vegas Pro 12.0, Adobe Photoshop CS6, Adobe Flash CS6, Codeblocks, PostgreSQL, Github, Sourcetree, Microsoft Word, Excel, PowerPoint, Virtual Box, VMWare, Openshift, and Microsoft Azure.
- **OS:** Windows XP, 7, 8, 8.1, 10, Linux Mint.
- **Repair:** Able to install/transfer operating systems/hardware components.

## Related CourseWork

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**Algorithm Design** Computer Science CS3050 | Spring 2015 | Chadra | Mizzou

Discussed and Developed algorithms for efficient, effective programming.

**Java** Computer Science CS3330 | Spring 2015 | Dale Mussuer | Mizzou

Java Application Development. Used NetBeans and JavaFX to develop user friendly interface applications. Implemented File Manipulation, Linked Lists, Object Instantiation, Polymorphism, Factories, and Threading.

**Database** Computer Science CS3380 | Spring 2015 | Michael Kleric | Mizzou

Worked with SQL Queries and the PostgreSQL Database. Developed site and worked with big data for end of term project.

**Software Engineering** Computer Science CS4320 | Fall 2015 | Grant Scott | Mizzou

Learned the processes that go into Application Development. Gained great experience in Requirements Analysis, Documentation, and team work.

**Web Development** Computer Science CS2830 | Fall 2015 | Justin Schuelar | Mizzou

Created Multiple Web Applications that utilized HTML5, CS3, JavaScripting, JQuery, and Ajax. Also worked with Site hosting.

**Assembly Language** Computer Science CS3280 | Fall 2015 | Michael Yursky | Mizzou

Programmed for the Motorola MC68HC11 Micro-Controller. Learned about processor architecture and byte manipulation.

**C Programming** Computer Science CS2050 | Fall 2014 | Joe Guilliams | Mizzou

Developed Programs in the C Language. Discussed and implemented algorithms, structures, pointer math. Used MakeFiles to combine Header and Class file objects to compile and execute projects.

## Past Projects

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### AccessZou (Group Project)

*AccessZou* is an application developed as an attempt to replace the current protocol for asking for security records for students. This application was developed using the PHP Framework: Laravel. I was responsible for setting up the framework, site design, controllers, views, PaaS (Hosting and Building), as well as PDF Generation for release forms.

### 4Reelz (Group Project)

*4Reelz* was a WebApp developed to challenge our DataBasing knowledge. Using PostGres and the IMDB api, we were able to recreate a version of IMDB. Our database contained over a million records, from which we could query through and return Specific information.

### Visualizer Game (Solo Project)

This *Visualizer Game* app was developed entirely using Java. It utilizes JavaFX to give the user a nice Interface. Is user friendly, and allows users to a variety of levels, bands, and variety of functions. The Application Utilizes Java's Extensive libraries on visual Effects and Demonstrates Threading via enemy generation.

### Dragon Nest FanSite (Solo Project)

My *Dragon Nest FanSite* was created for Dragon Nest fans, new and old. It provides guides, recommended tactics, as well as an entertainment section (music/commenting section). Also utilizes PostGres and PHP to manage the user database and security. This site is hosted entirely using OpenShift as a PaaS.