

# Michael Rallo

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

## Software/Web Developer

### Career Objective

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I am a Software Developer and a Full Stack Web Developer seeking employment in the Seattle area where I can utilize my knowledge of programming languages, layout, design, development, and documentation to help meet and exceed the company's goals.

### Education

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#### 2014 – 2017: University of Missouri-Columbia

- **Bachelor of Computer Science**
- **Majors:** Computer Science
- **Minors:** Mathematics
- **GPA:** 3.7/4.0
- **Graduation Date:** May, 2017

#### 2012 – 2013: Saint Charles Community College

- **Associates of Arts**
- **GPA:** 4.0/4.0

#### 2008 – 2012: Fort Zumwalt North Highschool

- Graduated top **1%**
- Graduated **Highest Honors** (Summa Cum Laude)

### Skills/Experience

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#### Applications

- Written numerous applications in **Object Orientated Programming languages** such as **Java** and **C++**.
- Developed countless **C programs** that manipulate data, files, bits, and more via pointers, arrays, trees, etc.
- Experienced with **JavaFX Scenebuilder**, creating applications with multiple **threads** and **scenes**.

#### Web

- Developed Web Apps with **PHP**, **HTML5**, **Javascript**, **jQuery**, **Ajax**.
- Have worked with frameworks such as **AngularJS2** and **Laravel**.
- Created sites with sleek, **responsive**, modern designs.
- Created Web Apps using **RESTful API**.
- Experienced with **SQL** queries and **MySQL/PostgreSQL**.

#### AI

- Have developed applications that utilizes **StateSpace Maps**.
- Experienced with **Mini-Max**, **DFS**, **BFS**, **A\*** and **MRV** search algorithms.
- Developed **AIs** to play against humans (I.E. Checkers/TicTacToe).

#### Software

- **Git Friendly**.
- Experienced with using **Virtual Machines** and **web hosting services** such as **Microsoft Azure** and **AWS**.
- Experienced with **Adobe Photoshop CS6**, **Sony Vegas Pro 12.0**, and **Microsoft Office**.

#### Technical

- Ability to **install/transfer operating systems**.
- Able to **replace/install hardware components**.
- Ability to **troubleshoot** and **repair hardware/software**.

## Work Experience

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### **MBs TextBook Exchange Inc. – Insight Web Developer**

July 2016 | Present

#### **Job Description:**

- Responsible for independently Developing/Designing University Bookstore Websites from the ground up within an Internal Content Management System.
- Maintain Multiple Live Websites and provide excellent and proficient Client Services.
- Lead the company forward to pursue Responsive and Modern Web Designs.

### **Cellairis – Sales Representative / Phone Repair**

September 2012 | July 2013

#### **Job Description:**

- Evaluated new technologies, equipment, vendors and product marketability.
- Earned a reputation as a valuable and cooperative coworker by: being fair, honest, and willing to help others when needed; effectively resolving conflicts at appropriate times; and assisting new managers and other staff to become familiar with policy and operations.
- Maintained and encouraged customer loyalty through the courteous and efficient resolution of disputes, complaints, and discrepancies.

## Related CourseWork

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### **Object Oriented Programming** 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.

### **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 Guiliams | 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.

### **Virtual CPU (Solo Project)**

This *Virtual CPU Project* was carried out as part of my Operating Systems course at the University of Missouri - Columbia. It is an application that simulates how a processes handles processes from a ready Queue using specified algorithms. The user can choose between using Round Robin Scheduling or FCFS scheduling. Depending on how many of each algorithm is called, threads will be created to handle processing the Queue. In essence, a file full of PCB data is read in and threads are created to processes a single dynamic array made up of PCB input based on the desired algorithm.