Michael Rallo

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Targeting an Entry-Level/Internship Position as a…
COMPUTER PROGRAMMER

Career Objective

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

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

- 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

- **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

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

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.