

# Robert Fink

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**My Website** – <http://bobbyfink.com>

**Github** - <https://github.com/rwfwcb>

## **Education**

University of Missouri – Columbia

May 2017 Bachelor of Science – Information Technology

- Business Minor
- 3.04 GPA

## **Experience**

Helpdesk / End User Support - February 2016 – Present

Great Circle

Columbia, MO

## **Skills**

- Software Engineering - Swift, Java, C, Perl, Python, PHP, HTML5, CSS3, JavaScript, jQuery
- Relational Database Design / Administration - MySQL, Oracle Express Edition
- Advanced SQL
- Computer System Administration – Linux, MacOS, Windows
- Cyber Security
- End User Support
- Network Support
- Problem Solving

## **Projects**

### **UMB Bank Health Spending Application – Spring 2017**

For my senior capstone project I am currently developing an application for UMB Bank on a team with 5 other members. The application we are developing will run natively on iOS and Android, and also have a web application. We decided to target multiple platforms with a single code base by using Cordova. Other technologies being used for this application are HTML5, CSS3, JavaScript, Ionic, PHP, CodeIgniter, MySQL, Yelp Fusion API, GoodRx API, and the Microsoft Cognitive Services Computer Vision API. My work in this application is:

- Designing and implementing the database
- Writing SQL Queries
- PHP Controller for GoodRx API and Yelp Fusion API
- RESTful API for MySQL database

### **Professional Networking Site “LinkedIn Clone” – Spring 2016**

For my Software Engineering course I worked on a project with 2 other team members with the goal of recreating LinkedIn.com. The scope of LinkedIn would be impossible to develop in half of a semester so we narrowed down the functionality quite a bit. We were successful in our implementation and had the following functionality:

- Register a profile and log in
- Input and update profile information
- Post to a wall for others to see
- Search for other profiles
- Send connection requests / receive connection requests from other profiles
- Accept / Ignore connection requests
- Send / receive messages with connections

My work for the LinkedIn “Clone” involved all of the database design and implementation, as well as all of the back-end PHP logic.

### **Shared Courses Initiative for the University of Missouri System – Spring 2016**

The University of Missouri System consists of the 4 campuses (Columbia, STL, KC, Rolla) that have a shared courses initiative. One campus will host a course while the other campuses take the same course except as an online class. Courses must first go through an approval process in order to be shared between the 4 campuses. I worked on a team with 3 other people and we built a web application that enables University of Missouri System to have a centralized system for any shared course proposals. Teachers and staff are able to enter information for a shared course proposal, and update the proposal at a later time when they have more information. The system admins can view all of the shared course proposals and their respective details. Admins can pull several reports regarding proposal status, host campus,

funding required, etc. The technologies used for this project were HTML5, CSS3, JavaScript, PHP, CodeIgniter, and Oracle Express Database 11g. My work in the application involved:

- Designing and implementing the database
- Writing SQL queries
- The front-end view for displaying the shared course data attached to an approved proposal
- The back-end PHP controller to facilitate storing the approved shared course data and populating the final cross-reference data.

### **Diana Kander Business Plan Management System - Fall Semester 2015**

For this project I worked on a team with 4 other team members. Our project sponsor and a New York Times bestselling author, Diana Kander, manages local startup businesses in Columbia, MO. In order to do so she must collect and manage the business plan proposals for each startup. She was doing this by having her clients fill out a document that contained all of the necessary information, which became difficult for her to manage and search through. We created a web application that allowed potential startups to enter all of their business plan information, and let them update the business plan as necessary. This application made it easy for Diana Kander to view different business plans, and pull reports on the status of business plans. For this application the technologies we used were HTML5, CSS3, D3.js, PHP, and MySQL. My work in this application involved:

- Designing and implementing the database
- Writing SQL queries
- The front-end view for collecting and displaying information on the target market, market info, sustainable competitive advantage, intellectual property, and competitive analysis
- The back-end PHP controller which facilitates creating, reading, updating, and deleting data for the front-end view