

Luke A. Parham

CAMPUS:

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PERMANENT:

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SUMMARY: Pursuing Bachelor's Degrees in Computer Science and Information Technology

- Graduating with Honors
- **Languages (most to least used):** C, JavaScript, Ruby, PHP, Java, C++, Python, Haskell, PL/SQL, Objective-C **Also:** SQL, Haml, HTML, CSS, JSON, XML
- **Teaching Experience:** Database Applications and Information Systems
- **Skills:** Rails, JQuery, AJAX, Jasmine Testing, and Japanese Language
- **Database Systems:** MySQL, Oracle, SQLite, PostgreSQL
- **Version Control:** Git, Subversion
- **Software Packages:** Adobe Photoshop, InDesign and Premiere, Blender, jMonkey Game Engine

EDUCATION: Bachelor of Science in Information Technology, December 2013

Bachelor of Science in Computer Science, December 2013

- University of Missouri – Columbia
- Cumulative **GPA 3.58** on a 4.0 scale
In major: 3.77

INTERNSHIPS: Cerner Software Engineer, Began Summer 2011

- **Languages:** JavaScript, CCL (proprietary language), HTML, CSS
- **Projects:**
 - Added functionality to Patient List module
 - Mobile Nursing iPhone application using Sencha Touch Framework
 - Grace ACS Risk Calculator for patients admitted with heart conditions
- **Version control:** SVN
- **Project Management:** VersionOne
- **Software Development Method:** Scrum

RESEARCH: Washington University REU:

- **Advisor:** Dr. Jonathan Turner
- **Project:** The Forest Overlay Network
 - Assisted in the development and testing of Forest

Undergraduate Honors Research:

- **Advisor:** Dr. Dale Musser, Director of Information Technology at MU
- **Studied:** Web Development and Engineering
 - Included research into Software as a Service methods including Web Design, Frameworks, Database Implementations, RESTful interfaces, Cloud Deployment and Unit Testing

EXPERIENCE: Teaching Assistant

- **Course:** Database Applications and Information Systems
- **Languages:** PHP, PL/SQL, HTML, CSS
- **Databases:** Oracle, MySQL, SQLite, PostgreSQL,
- **Duties:** Write and grade labs, teach lab sections

Start-Up Weekend:

- Worked with the AddSheet team to create Foodfight.com in three days
 - Rails application with Twitter and Twilio integration for allowing online food orders with discounts based on tweeting and automated phone calls to the restaurant with order details
- Implemented Twitter integration via Twitter and OAuth gems and CSS

Coursera courses completed:

- Software Engineering as a Service (UC-Berkeley)
- Internet History, Technology, and Security (University of Michigan)

PROJECTS:

- **Capstone:** iPhone Application to control Corobot using Python XML-RPC server via AJAX requests and Player/Stage Robotics Library
- **ChickenChasing.com:** A web application to connect farmers and their customers. Written using Ruby on Rails with a Postgres database
- **REDI Entrepreneurship iPhone Application:** A small business walkthrough for companies based in Columbia, Missouri. (Objective-C)
- **Shell:** Implemented a fully functional shell in C
- **CS 3380 Class Website:** A Rails app for use in the Database class at Mizzou
- **TigerTech Adventures:** a mock website for reserving and tracking adventure outing reservations with PHP and MySQL done in a group of five people
- **Database Systems:** An airline flight reservation system built with PHP and an Oracle database in a group of three people

ACTIVITIES:

- Association for Computing Machines, Student Chapter, 2010
- Game Design Club, Division of ACM, 2010
- Foundation for Economic Education Alumnus, 2011
- Christian Campus House, 2008-2012
- Volunteer and Attendee at Strange Loop 2011 Conference in St. Louis
- Como Rich Web Group (presenter and attendee) 2010-2013

SERVICE:

- Helping Hands (Helping one person in the community each week) 2 semesters
- Nursing Home (Visiting with and helping the elderly each week) 1 semester
- Love Inc. (Delivering Furniture to those in need) 3 semesters
- Intersection (Inner-city children's ministry) 1 semester
- Prison Ministry 1 Semester