

Loren Klingman

PROFILE:

Detail oriented software developer who loves translating the big picture into code. The best part of my day is hearing user's excitement about something I helped create.

Skilled in working with the full stack of software delivery from optimized database queries, server-side code, administrating servers, and services on AWS to client-side code and continuous integration.

SKILLS:

PHP (Laravel, Yii Framework)	Responsive Design	Jenkins and Travis Continuous
Java	JavaScript	Integration and Delivery
PHPUnit	jQuery, AngularJS, JSON	Continuous Delivery
MySQL, SQL Server	Elasticsearch	Python
HTML, CSS	Amazon Web Services	Git, GitFlow

EXPERIENCE (PAID):

Software Engineering Research, Georgia Tech, Atlanta, Georgia Fall 2016-Present
Research Team Member

- Use Google BigQuery and the GitHub API to obtain information on over 100,000 repositories
- Analyze how repositories use and upgrade between APIs provided by maven dependencies
- Develop a system to automatically generate test cases for changed Java classes in pull requests and create a prioritized report of potential regression errors

Instructor, Duke TIP @ Georgia Tech, Atlanta, Georgia Summer 2017
Instructor, Artificial Intelligence

- Design a course to teach rising 9th – 11th grade students about AI using exercises in Python
- Teach two 3-week summer sessions with 19-20 students each

Programmer, The Southern Baptist Theological Seminary, Louisville, KY Summer 2014-Summer 2016
Manager of Data and Analytics

- Write a Laravel and AngularJS web portal which provides accurate and reliable data analysis to support management decision making using a SQL Server database
- Implement continuous delivery and software validation tools
- Work with EC2 and Elasticsearch for iPhone app content delivery
- Write store procedures to clean data and flag data inconsistencies requiring manual intervention

International Nonprofit, Richmond, VA, Working in Thailand Summer 2011-Summer 2013
Web Programmer

- Design and implement content management systems using PHP and Expression Engine for 7 affinity and 4 story websites given user requirements
- Work with designers around the world to code responsive templates using Bootstrap and jQuery
- Collaborate with users and designers around the world to ensure software meets needs

Loren Klingman

loren.klingman@gmail.com

864-631-9801

TigerPaw Productions, Clemson University, Clemson, South Carolina

Winter 2008-Summer 2011

Director of Technology Development

- Create and manage an event management system Vencidi using PHP and Yii Framework
- Vencidi managed over 250 events per year, 1,000 crew calls per year, and 500 employees
- Manage two additional employees who helped program Vencidi
- Expand Vencidi to also manage crew calls for the student police department

Klingman Design, LLC, Greer, South Carolina

Summer 2006-Summer 2014

Owner

- Establish a business using strong programming abilities and entrepreneurship interests
- Develop custom content management systems in PHP and MySQL
- Consult on website design and programming

EXPERIENCE (UNPAID ACADEMIC RESEARCH):

Diagnostic Research, Clemson University, Clemson, South Carolina

Fall 2013-Spring 2014

Research Team Member

- Use R to discover the root cause of system failures from large amounts of diagnostic data
- Write a web portal using R, MySQL, and Shiny Server to display graphs of possible failure causes

Creative Inquiry in Tablet PCs, Clemson University, Clemson, South Carolina

Fall 2008-Spring 2011

Research and Programming Member, Honors Research Project

- Work in multiyear, cross-disciplinary project with the School of Nursing which created software to aid nursing students in learning to use electronic health records
- Implement TeachEHR software in PHP, MySQL for use in nursing classes
- Research methods to teach people to use new software through a familiar environment

OTHER EXPERIENCE (PAID):

TigerPaw Productions, Clemson University, Clemson, South Carolina

Fall 2008-Spring 2009

Associate Production Director for Tillman Auditorium

- Develop and implement a training program for 30 employees
- Manage scheduling and payroll for about 260 events per year
- Lead a team comprised of sound and lighting engineers working with event planners

EDUCATION:

Clemson University, Clemson, South Carolina

August 2013 – May 2014

Master of Science (Thesis), Computer Science

GPR 3.80/4.00

Clemson University, Clemson, South Carolina

August 2007 - May 2011

Bachelor of Science, Computer Science

GPR 3.97/4.00

ACTIVITIES:

- Volunteer at Café Clarkston, Friends of Refugees helping refugees make resumes and find jobs
- Contribute to open source software: <https://github.com/loren138>
- Join the MARTA Hackathon: <https://github.com/loren138/martaOptimize> and <https://github.com/loren138/martaio>
- Small group leader, Lamp City Church