XIAO HE

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Summary

Aspiring software developer with proven experience in team communication and project management. I am a self-starter and avid explorer in technical world. Seeking work in web and software development.

Employment

Kilter, Inc
Software Developer · June 2016 to Present
- Designed and developed backend architecture of E-commerce platform with scheduling system, points reward system and user activity tracking system.
- Implemented CRON job on Apache Server for reporting and system maintenance.
- Created self-sustaining web components for better encapsulation and reusability.
- Utilized version control system with dedicate branching and code review procedure.

Industrial Refrigeration Consortium
Full Stack PHP Developer · April 2016 to Present
- Refactored legacy code base and improved function maintainability by adding unit tests.
- Redesigned internal management system with Bootstrap and jQuery to improve the UI of the platform.
- Developed and maintained all IRC and HVAC&R Center websites and databases.

UW-Madison Internet of Things Lab
Undergraduate Researcher · Sep 2015 to Sep 2016
- Designed hardware interface to track activity and provide data analytic for gyms and users. Completed first module with Arduino YUN, accelerometer and pressure sensor.
- Researched in practical use of AWS system within IoT lab environment and implemented integration of Amazon Echo and Slack with AWS Lambda and webhooks.

Projects

Carpe Dime - WildHacks 2016
- Built Chrome extension that inform student users about the amount of money they waste while not paying attention in class.
- Managed team of 4 to build client side application with Github branching.
- Developed server side handling in Node.js with Google Auth and Google Calendar API.

Chapter Website - Triangle Fraternity Wisconsin Chapter
- Designed and developed rich and enhanced web pages using PHP, HTML, CSS and jQuery.
- Created a responsive web application integrating Twitter Bootstrap and media queries.

Organizations

Transcend Engineering, Madison, WI
Chief Financial Officer, Web Team member
Triangle Fraternity Wisconsin Chapter
Treasurer, Public Relations

Education

University of Wisconsin-Madison
B.S. Computer Engineering, 2018
B.S. Computer Sciences, 2018
GPA 3.7/4.0

Coursework

Database
Algorithm
Computer Architecture
Data Structure
Microprocessor
Machine Organization
Digital System Design and Synthesis.

Technical Skills

Languages:
PHP
MySQL
JavaScript
Node.js
HTML
Python
Java
C
C++
Verilog

Tools and Platforms:
Git
Apache
Bootstrap
jQuery
Propel
Gulp
Composer
Bower
Polymer