XIAO HE

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Summary

Aspiring software developer with proven skills in team communication and project management. Self-starter and avid tech explorer with experience in growing startups.

Employment

Qualcomm
Interim Engineering Intern · May 2017 to Present
- Built tests automation CLI tool on LSF cluster server with threading and subprocess module in Python.
- Implemented parsing for internal terminal command with Regex and graphical web interface generation of outputs.

Kilter, Inc
Software Developer · June 2016 to Present
- Designed and developed backend architecture of the E-commerce platform with Go REST API, points reward system, and user activity tracking system.
- Created self-sustaining Polymer web components for encapsulation and reusability.
- Utilized version control system with dedicated branching and code review procedure.

Industrial Refrigeration Consortium
Full Stack PHP Developer · April 2016 to February 2017
- Refactored legacy PHP code base and managed MySQL client database and web server.
- Redesigned internal management system with Bootstrap and jQuery.

UW-Madison Internet of Things Lab
Undergraduate Researcher · September 2015 to September 2016
- Designed hardware interface with Arduino YUN, accelerometer, and pressure sensor to track activity and provide data analytic for gyms and users.
- Integrated Amazon Echo and Slack with AWS Lambda and Slack webhooks.

Projects

Carpe Dime - WildHacks 2016
- Built Chrome extension that informs 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
- Created responsive web application with Bootstrap, Font Awesome and jQuery.
- Implemented Google Analytics to better understand user traffic.

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

Coursework

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

Languages

Languages:
PHP
Python
Go
JavaScript
MySQL
HTML
Java
C
C++
SystemVerilog

Frameworks and Tools:

Bootstrap
Bower
Composer
Git
Gulp
jQuery
Node.js
Polymer
Propel