

# XIAO HE

xiaojun.he@wisc.edu | xiaojunhe.com

## 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 magnificence.
- 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