

# XIAO HE

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## Summary

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Aspiring software developer with proven skills in team communication and project management. Self-starter and avid tech explorer with experience in growing startup. Seeking work in web and software development.

## Employment

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### 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 dedicated 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 · September 2015 to September 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

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### 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

- 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

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### Transcend Engineering, Madison, WI

Chief Financial Officer, Web Team member

### Triangle Fraternity Wisconsin Chapter

Treasurer, Public Relations

## Education

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University of Wisconsin-Madison

B.S. Computer Engineering, 2018

B.S. Computer Sciences, 2018

## Coursework

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Algorithm

Computer Architecture

Data Structure

Digital System Design and Synthesis

Machine Organization

Microprocessor

## Languages

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Languages:

PHP

MySQL

JavaScript

HTML

Python

Java

C

C++

Verilog

## Frameworks:

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Bootstrap

Bower

Composer

Git

Gulp

jQuery

Node.js

Polymer

Propel