

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 August 2017

- 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 API, points reward system, and user activity tracking system.
- Created self-sustaining Polymer JS 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
Artificial Intelligence
Computer Architecture
Data Structure
Digital System Design and Synthesis
Machine Organization
Microprocessor
Software Engineering

Languages

Python	(Proficient)
PHP	(Proficient)
JavaScript	(Proficient)
HTML	(Proficient)
Java	(Familiar)
Go	(Familiar)
MySQL	(Familiar)
C	(Experience)
C++	(Experience)
SystemVerilog	(Experience)

Frameworks and Tools

AngularJS
Bootstrap
Bower
Composer
Git
Gulp
jQuery
Node.js
Polymer
Propel