

Work Experience

Altec Industries (Core Control Software Coop)

01/2018 – 06/2018

Created/supported and maintain different projects that supports other departments/suppliers, and different product.

- Truck Locator
 - Created a Web App visualized data in database, shows GPS location of trucks & info about trucks.
 - Performance enhanced by server-side caching, implemented REST API.
- Chassis Altec key module
 - Solved another department's new feature problems for a new product.
 - Created man in the middle module, upon request, sending message to ECU indicate key turning.
- Implemented/support Windows software applications to improve process for internal customers.
 - Tool Manager - Tool distribution, Tool version control Application.
 - Flash Tool - Flash firmware onto ECU, inherited project from a broken state, project functional at the end.
 - Multithreaded quality control tool for Surface mounted board provided to supplier.
 - Implement new component to existed C++ web application.
- Module/truck binding web app
 - Created a simple/user friendly web app to improved final assembly manufacturing process.
 - Implemented REST API that communicate with three different databases.

Computer Organization Course Teaching Assistant

08/2018 – 12/2018

- Topic on Assembly level programming and processor design.

Online Computer Science Tutor

08/2017 – Now

- Tutored students online within and outside of US for different computer science courses.

Iowa State Admissions (System Team Student Developer)

01/2019 – Now

- PHP development on existing application with MySQL database.

Engineering Projects

iOS Mobile Application – Student Tool

Personal Project

07/2017

- Showing All Class Status, GPA calculator

Mars Rover Project

Course Project Team Lead

07/2017

- Built Mars rover module to simulate traverse the hazardous terrain for retrieval at a preset zone.
- Programed an “autonomous” (self-moving) perform project task successfully under two minutes.

iOS Mobile Application – Reminder

Course Project Team Lead

09/2017

- Features: Regular To-Do List, Shopping List, Expense Tracker, and Online Chatting.

Business info web site (Massage Therapy)

Personal Project

04/2018

Recoverability of Persistent Memory Systems

Research Project

01/2019

- Analyze memory operations of the target application using Intel Pin Tool API as research assistant.

Leadership Experience & Volunteer Experience

- Volunteered at Clothes drive at Urbandale High school. 10/2013
- Participated in STLf volunteer events in 5 different state, helped local community with different task. 03/2017
- Held treasurer position of sports club. 08/2017

Skills

- Software Languages: JavaScript, PHP, Python, Java, C, C++, Swift
- Software Skills: Database (MySQL), Web Dev (Html, CSS, JS).
- Language Skills: Chinese.