Charly Sandoval

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Objective

Passionate Computer Science student that enjoys working collaboratively and learning new technologies

Education

University of Illinois at Chicago (UIC), Chicago, IL   Spring 2021
Bachelor of Science in Computer Science

Skills

Web Development:
- MongoDB
- mySQL
- Redis
- ExpressJS
- Angular
- React
- NodeJS
- HTML-templating

- Apache
- NGINX
- HTTPS-Cert

Programming Languages:
- Java
- JavaScript
- C++
- Python
- R

- GoLang
- C#
- F#

Skills:
- git/github
- Shiny
- Heroku
- Cloudflare
- Linux Unix

- Windows DOS
- AWS
- Azure
- Android Development
- Docker/docker-compose

Embedded Systems:
- RaspberryPi
- Arduino
- CAD and PCB design

Projects

Guero Pallets, WebApp - Chicago, Il   Summer 2019
- Spent 3 months designing and developing a web application with custom forms, logins, user registration and authentication
- Arranged weekly meeting with team and company to discuss issues, assign tasks, and get company requirements
- Worked on dockerizing apps to make deployment and maintenance more secure and easier to manage
- Increased companies productivity by 10%, allowing the company to focus less on updating and more on filling out orders

Software Engineering Class, Java Application - Chicago, Il   Fall 2019
- Implemented a teaching application for elementary students that allowed teachers to easily create assignments, keep track of students performance, and alert teachers when students need help
- Applied the agile methodology by meeting every week, gathering requirements, updating progress, and assigning tasks
- Made responsible of server-client communication using ExpressJS and mongoDB for server request, and java for the client

Personal Project, Resume App - Chicago, Il   Spring 2020
- Design and developed a web application that displays resume, projects, basic info and links to social medias
- Used RaspberryPi, Docker, and NGINX to affordably and reliably deploy my app
- Added web certificates from cloudflare to allow https connections to the web app

Robotics, MRDC Competition - Chicago, Il   Fall 2018
- Collaborated with a team of engineers to design and develop a drivable robot
- Assigned with writing code on the arduino and RaspberryPi to establish wireless communication
- Successfully competed at the MRDC competition

Leadership

Web Application Developer   June 2019 – August 2019
Team Leader
- Coordinated effectively with a team of 4 by implementing the agile framework scrum
- Arranged weekly meeting for 3 months in which we meet with the company to solve design issues

UIC-Society of Hispanic Professional Engineers (SHPE)   August 2017 – May 2018
Outreach Chair
- Impacted 100 Chicago students by exposing them to the Engineering career through fun activities
- Managed and organized 10 volunteering events within a year with members

Work Experience

Prep-Me SHPE   June 2019 – September 2019
Computer/Instructor
- Worked together with teammates to designed computer science related curriculum to instructed high school students
- Co-Instructed up to 60 high school students, insuring everyone was on pace