

Charly Sandoval

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Objective

Looking forward to contribute my knowledge and skills to the company, while gaining valuable industry level skills and practices

Education

University of Illinois at Chicago (UIC), Chicago, IL

Fall 2020

Bachelor of Science in Computer Science, expected

Technical Skills

- Experienced with front-end development using AngularJS and Bootstrap
- Experienced with back-end development using NodeJS and Express
- Experienced with database relationship and design with MongoDB
- Experience with Java, JavaScript, Python, C++, C
- Experience with Windows and Linux OS
- Experienced in Arduino and Raspberry PI
- Experienced with git
- Fluent in C# and F#

Projects

MEAN Stack Development

- Interned with small company to create a web application with credentials and custom form submissions
- Added image storage capabilities with json objects to the backend to improve efficiency
- Worked as a team with a group of 4, using GitHub to maintain code
- Created front end application to register new users

Java

- Familiar with Object Oriented Programming, Polymorphism, Templates, and Multi-threading
- Created a server and client GUI application using JavaFX and multithreading

C++, C

- Experienced with Structs, Linked List, Dynamic Array, Classes, Binary Search, and Recursive Searching algorithms
- Created Search Algorithm that would take a file as data and store results in array

Arduino/Raspberry Pi

- Worked with RHF wireless communication to control robotic arm
- Worked with analog sensors, motors, resistors, capacitors, relay switches, and other components for projects

Leadership

Web Application Developer

June 2019 – August 2019

Team Leader

- Encouraged SCRUM development for application
- Arranged weekly meetings, discussed projects, and assigned tasks
- Encourage good coding practices, team work, and security awareness

UIC-Society of Hispanic Professional Engineers(SHPE)

August 2017 – May 2018

Outreach Chair

- Impacted 100 Chicago students by exposing them to the Engineering career
- Gained leadership skills by depending on teammates unique skills

Work Experience

Prep-Me SHPE, Chicago, IL

Summer 2019

Computer/Instructor

- Designed computer science related curriculum to instructed high school students
- Worked with a group of 4 to better teach students
- Introduced C++ programming