Marco Herrera

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Bilingual CNC Programmer with experience in multiple programming languages and opened to learning more. Seeking to transition my career toward software engineering using my skills obtained in my current position as well as personal and educational technical projects. Highly self-motivated and dedicated to working efficiently and effectively in any environment.

EDUCATION

SPRINGBOARD
Software Engineering Career Track
November 2020 | Online
Coursework:
 • One-on-One Mentoring
• Project Based/Career Focused
• JavaScript, HTML, CSS
• Python,SQL, React
• Data Structures and Algorithms

ILLINOIS INSTITUTE OF TECHNOLOGY
B.S. in Computer Engineering
Grad. May 2018 | Chicago, IL
Course Work:
 • Object Oriented Programming
• Database
• Data Structures and Algorithms
• Operating Systems
• Systems Programming
• Intro to Computer Networks

PROVISO MATHEMATICS & SCIENCE ACADEMY
Grad. May 2014 | Forest Park, IL
Distinguished Research Scholar

TECHNICAL SKILLS

Python • Java • JavaScript • HTML
CSS •Flask • JSON • Git •Github Microsoft
Office • Visual Studio • PyQt • MySQL
Windows • Linux • ICAM • CNC • Arduino

SOFT SKILLS

Bilingual (Spanish, English)
Leader • Self-Starter • Team Player

HOBBIES

3D Printing • Electronic Repair • Micro Soldering

TECHNICAL PROJECTS

CONNECT 4 GAME | Github
Spring 2020 | Bellwood, IL

- Utilized HTML, CSS, and JavaScript for Display and Interaction.
- Added a Responsive Web Design for mobile compatibility.
- Implemented CSS Animations
- Demertined a winner using an algorithm with O(1) time complexity.

PYTHON APP DEVELOPMENT | Github
Fall 2019| Bellwood, IL

- Developed Python Desktop App that will sort all items in the Desktop Directory appropriate folders with one click.
- Implement PyQt framework for GUI interface
- Individually program, test, and debug application.

AUTOMATED URBAN FARM AT IIT Fall 2017| Chicago, IL

- Software/Electrical Team Leader
- Programmed, Tested and Debugged Arduino based automation system.
- Designed and Implemented fully automated irrigation system for garden using Arduinos and a Raspberry Pi in C.

WORK EXPERIENCE

BEST BUY CARPET AND GRANITE | CNC Programmer
May 2018 – Present | Naperville, IL

- Program, Operate, and Maintain large Mill type CNC Machine
- Cooperating with a 6 person team to ensure quality and efficiency in each fabrication job.
- Maintain Weekly reports that decreased mistakes made in programming, fabrication, and installation
- Actively looking for opportunities to improve overall fabrication and CNC machining process.