Dominic Castaneda

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Education

Oakland University | Oakland County, MI | Junior   **Expected Graduation: May 2027**
Bachelor of Science in Computer Science
- **Relevant Coursework**: Software Engineer and Practice, Sophomore Project, Data Structures

Macomb Community College | Warren, MI   **Aug 2022 - Aug 2024**
Academic | Computer Science
- **Relevant Coursework**: Intro to Python, Intro to Linux, Principles of Networking, Computer & Information Principles, C++ Programming 1 & 2, Windows Server Admin, Database design and implementation with SQL, Java, Network Design
- **Achievements**: Dean's List

M-TEC | Controls Technician   **April - Aug 2024**
- **Relevant Coursework**: Advanced Technology Readiness, OSHA 10-Safety Training, Electric Vehicles Fundamentals and Safety, Trade Fundamentals, Electrical Fundamentals, Motor Controls and Drives, Digital Electronics, Electronic Sensors, Fluid Power Fundamentals, FANUC Robotics Operations, Basic PLC, Intermediate PLC-1, Intermediate PLC-2, Advanced PLC Maintenance and Troubleshooting, Allen Bradley HMI Programming, VFD Programming and Troubleshooting-VFD Power Flex, RFID-Radio Frequency Identification

Work Experience

Loccino Italian Grill & Bar *Waiter* | Troy, MI | Feb 2024 – Current
- **Provide exceptional customer service** by efficiently managing multiple tables.

Nurtured Roots Landscaping *Horticultural Technician* | Shelby Twp, MI | June 2022 – Nov 2023 (1 year, 7 months)
- **Increased client retention** by installing and maintaining over 200 residential client's gardens and landscaping, leading to an increase in client retention and growth.
- **Optimized team workflow** by working collectively as a team to ensure an efficient flow of operations on site.

Projects

- **My Business Website** – Designed and developed a responsive website for my business, Undergrad Landscaping, using HTML, CSS, and JavaScript to market services online.
- **ESP32 Wi-Fi Communication System** – It uses ESP32 boards for instant communication. A client-side button sends an HTTP request, triggering a server-side sound alert, notifying me that the button was pressed, and the client needs me.
- **Modified Toy Claw Machine with PLC Integration** – Developed and programmed a modified toy claw machine using RsLogix5000 to operate in both manual and automatic modes. Integrated a PLC system to control the machine's operations, with automatic mode managing tasks such as picking up and dropping off candy.

Technical Skills

- **Programming:** Python, C++, C#, Java, SQL, Arduino
- **Web Development:** HTML, CSS, JavaScript
- **Operating Systems:** Windows, MacOS, Linux
- **Tools/Software:** Git, VS Code, Visual Studio, Unity, Virtual Machines, Microsoft Office, Excel, Word, PowerPoint, Visio, Teams, RSLinx, RSLogix 5000, Studio 5000, FactoryTalk, Allen Bradley, Siemens, Wireshark

Interpersonal Skills

- **Motivated Learner** - Strong motivation and eagerness to continuously learn and master new skills and concepts.
- **Team Player** - Ability to collaborate and work effectively in team-oriented environments.
- **Problem Solver** - Strong analytical and troubleshooting skills to solve problems and make effective decisions under pressure.

Certifications

- **Introduction to Cybersecurity** | Cisco Networking Academy | Dec 2021
- **IoT Fundamentals: IoT Security** | Cisco Networking Academy | Dec 2021
- **Controls Technician** | Aug 2024
- **SACA Certified Ethernet Communications 1** | July 2024 | Cert No. KX3S8D
- **SACA Certified Variable Frequency Drive Systems 1** | July 2024 | Cert No. 6VPD5J
- **SACA Certified Pneumatic Systems 1** | June 2024 | Cert No. J5H3S9
- **SACA Certified Programmable Controller Troubleshooting 1** | Aug 2024 | Cert No. F2DT56