

CHRISTOPHER CELAYA

SOFTWARE DEVELOPER MECHATRONIC TECHNICIAN

CONTACT

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www.chriscelaya.com

El Paso, Texas

EXPERTISE

- Preventative Maintenance
- Software Development
- Industrial Manufacturing
- Project Management
- Product Design and Prototyping
- Problem-solving
- Cross-Disciplinary Knowledge

EDUCATION

Electrical Engineering & Computer Science El Paso Community College

Attended

Electrical Engineering University of Texas at El Paso

Attended

LANGUAGES

English

Spanish

CERTIFICATIONS

NFPA 70E - Electrical Safety

OSHA 10 - Construction Safety

PROFILE

Results-driven and innovative technician with extensive experience in computer science. Expertise in software development and project management, complemented by a strong background in preventative maintenance and industrial manufacturing. Seeking a challenging position to apply technical skills towards the growth and success of a forward-thinking organization.

WORK EXPERIENCE

Data Center Technician II

T5 Data Centers - San Antonio, Texas

2021-2022

- Maintain and operate both critical and non-critical data center infrastructure, equipment, and systems.
- Collaborate with a team of Critical Facilities Technician (CFT) to ensure total availability (100% uptime) while minimizing risks.
- Utilize a Computerized Maintenance Management System (CMMS) for managing scheduled and unscheduled data center tasks.
- Conduct preventive maintenance on electrical and mechanical equipment within the data center.
- Troubleshoot and document technical problems, escalate when necessary, and ensure resolution.
- Supervise external contractors, ensuring adherence to critical facility work rules.

Mechatronics Technician

CN Wire - Santa Teresa, New Mexico

2018-2021

- Troubleshoot, maintain electrical repairs and installations on factory equipment.
- Interpret diagrams, schematics, and electrical code specification.
- Install and repair electrical commutators, electronic sensors, and Human Machine Interface (HMI) touch panels.
- Maintain a number of cooling, compression and emulsion systems required for the facility to maintain operation.
- Update manufacturing records, process work orders, and installation reports.
- Install, maintain, and troubleshoot electrical components and equipment for industrial installation.
- Managed end-to-end electrical projects, minimizing downtime, and ensuring production safety and quality standards are met.

Wiring Technician | Quality Assurance

Schneider Electric - El Paso, Texas

2016-2017

- Troubleshoot electrical and electromechanical operations.
- Interpret point-to-point diagrams, bill of materials, and wiring schematics.
- Collaborate with engineering and assembly teams to resolve problems.
- Use various tools and software for ground fault detection.
- Oversee testing and assembly of low voltage electronic products for clients.

Maintenance Technician

Delfingen - El Paso, Texas

2015-2016

- Manage maintenance on powered industrial equipment, including pneumatic, hydraulic, water, and electrical power.
- Carry out tasks including PVC cutter repair, electrical troubleshooting, and preventative maintenance.
- Determine and resolve issues with corrugated screws, cutters, pullers, and printing systems.
- Complete additional duties such as welding, fabrication, including building maintenance.

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MECHATRONIC TECHNOLOGIST

RELEVANT SKILLS

- Python, Javascript, Java, C, C#
- HTML, CSS, React, Node.js
- SQL, MongoDB, Postgresql
- Google Cloud, Azure
- Docker
- Git

WORK EXPERIENCE

Maintenance Technician III

Dal-Tile - El Paso, Texas

2013-2015

- Install and maintain hydraulic press, electrical panels and mechanical components.
- Acknowledge machine malfunctions, install electro-mechanical valves, and perform routine maintenance.
- Carry out additional routine maintenance on raw material conveyors, dust, compression, and cooling systems.
- Operate industrial hydraulic systems, serve oil changes, and routine die-block quality checks.
- Manage materials processing and storage, including silos, spray dryers, ball mills, and vibrating screens.
- Monitor material transportation utilizing pneumatic, belt, and elevator conveying systems.

PROJECTS

MedChat

Medical, Large Language Models

- Web application that leverages the power of Llama2, a state-of-the-art medical large language model which can provide accurate and personalized patient diagnoses. Streamlining the diagnostic process and reducing the time and effort required for healthcare professionals to evaluate and diagnose patients.

ChatterSync

Artificial Intelligence, Large Language Models

- ChatterSync is designed to enable the running of two AI chatbot instances concurrently, allowing these chatbots to engage directly with each other in real-time without human intervention.

Gemini Pro Vision

Computer Vision, Large Language Models

- Chatbot with real-time vision and text to speech capabilities using Google's Gemini Pro Vision large language model through API calls. This is a basic web application designed to leverage machine learning algorithms to provide real-time analytics.

chriscelaya.com

Web Development, Next.js, Vercel

- Designed a personal developer portfolio website using Nextjs 14. Includes an About, Resume, Projects, Blog, and Contact pages for navigation.

MIDI Saber

Game Development, Javascript, Unity

- Repurposed a MIDI drum pad to act as an interface to quickly develop beat maps for the popular virtual reality game Beat Saber. Functionality includes movement, bookmarking, scrolling, block placement, and start/stop/pause.

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TO WHOM IT MAY CONCERN,

I am thrilled to apply for a forward-thinking organization that aligns with my passion for innovation and growth. With 11 years of experience in industrial manufacturing, I am excited to leverage my unique blend of mechatronics and automation expertise to drive impactful solutions in the software development field.

Throughout my career, I have gained a solid foundation in maintaining and repairing diverse industrial equipment, alongside developing proficiencies in programming languages such as C and Python. My projects have spanned artificial intelligence, computer vision, and embedded systems, showcasing my ability to apply coding skills in practical scenarios.

Transitioning to software development, I am eager to leverage my unique background in mechatronics and automation to contribute to your team. I am particularly excited about the opportunity to design and develop software that enhances operational efficiency and innovation within your projects. My goal is to bring a fresh perspective to your development team, blending my industrial insights with my growing software expertise to create impactful solutions.

I welcome the opportunity to speak in more detail about how my experience aligns with your needs. Thank you for your consideration, and I look forward to hearing from you.

SINCERELY,

CHRISTOPHER CELAYA
