

Christopher Celaya

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SUMMARY

Software Developer and Industrial Technician with 11+ years of experience in electrical diagnostics and preventative maintenance. Passionate about leading teams, optimizing operations, and building intelligent solutions.

SKILLS

AI/ML & Development: Python, C, C++, JavaScript, TypeScript, Next.js, React.js, Vue.js, Tailwind CSS, TensorFlow, Java, Pytorch

Databases & Tools: Docker, SQL, MongoDB, PostgreSQL, Redis, Azure, AWS, Solana, Polygon, Ethereum

Industrial Infrastructure: Preventative Maintenance, CMMS, HMI, SCADA, hydraulic/pneumatic systems, machine vision

Design, Visualization & Game Development: Canva, Cinema 4D, Procreate, Vectortator, Blender, Unity, Unreal Engine 5

Leadership & Management: Team Training, Workflow Optimization, Process Improvement

AI/ML Training & Development: CUDA, Ollama, HuggingFace, Kaggle, Google Colab, LM Studio, Open Source Chat UIs

- **Hardware:** NVIDIA H100s & A100s for AI model training

PROJECTS

Medchat

AI/ML Medical LLM

Developed a web application leveraging Llama2 to assist healthcare professionals with accurate diagnoses.

- **Technologies Used:** Python, Next.js, Tailwind CSS

Minecraft AI Bot

LLM

Trained an LLM using real-world game data to autonomously build worlds, reducing human intervention by 90%.

- **Technologies Used:** JavaScript, Python, Google Colab, Minecraft, Reinforcement Learning

Gemini Pro Vision

AI/ML Computer Vision, Full-Stack

Developed a chatbot with real-time vision and text-to-speech capabilities using Google's Gemini Pro Vision API.

- **Technologies Used:** JavaScript, Next.js, Tailwind CSS, and Gemini API

chriscelaya.com

Web Development

Designed and developed a personal portfolio website using Next.js. Features resume, experience, and projects.

- **Technologies Used:** Next.js, JavaScript, Vercel, and Supabase

Midi Saber

Game Development, VR, Web Development

Created a MIDI-powered interface to generate beat maps for Beat Saber using a Novation MIDI drum pad.

- **Technologies Used:** JavaScript, Unity, Novation, and Beat Saber

EXPERIENCE

Critical Facilities Data Center Technician II, San Antonio | T5 Data Centers

Sept 2021 - June 2022

- Maintain and operate both critical and non-critical data center infrastructure, equipment, and systems.
- Achieved 100% uptime for critical infrastructure by leading preventive maintenance on systems utilizing CMMS.
- Supervise external contractors, ensuring adherence to critical facility work rules.

Electro-Mechanic, Santa Teresa, NM | CN Wire

Jan 2018 - Sept 2021

- Enhanced equipment reliability through troubleshooting electrical systems, HMI panels, and sensors.
- Maintain a number of cooling, compression and emulsion systems required for the facility to maintain operation.
- Install, maintain, and troubleshoot electrical components and equipment for industrial installation.

Wiring Technician | Quality Assurance, El Paso, TX | Schneider Electric

May 2016 - Dec 2017

- Improved quality by 20% by overseeing testing/assembly of low-voltage electronics and resolving 50+ defects monthly.
- Interpret point-to-point diagrams, bill of materials, and wiring schematics.
- Oversee testing and assembly of low voltage electronic products for clients.

Maintenance Technician | El Paso, TX | Delfingen

Dec 2015 - Dec 2016

- Manage maintenance on 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.

Maintenance Technician III | El Paso, TX | Dal-Tile

Feb 2013 - Oct 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, conveyors, spray dryers, ball mills, and vibrating screens.

EDUCATION

University of Texas at El Paso | College of Engineering

Attended (no-degree)

Bachelor of Science in Electrical Engineering; Focus in Fields and Devices, English

Cumulative GPA: 3.5/4.0

Relevant Coursework: Electrical Circuits, Digital Systems, Calculus 1-3, Differential Equations, Economics for Engineers

El Paso Community College | College of Engineering

Attended (no-degree)

Bachelor of Science in Computer Science; Focus in Cyber Security, English

Cumulative GPA: 3.7/4.0

Relevant Coursework: Programming, Matrix Algebra, Advance Object-Oriented Programming

CERTIFICATIONS

NFPA 70E | Electrical Safety

OSHA 10 | Construction Safety

