

Jesus Casas

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EDUCATION

California State University Northridge

Los Angeles, CA

Bachelor of Science in Computer Science, Minor in Data Science

- **Dean's List, Fall 2024, Spring 2025:** Recognized for academic excellence by achieving a GPA of 3.52
- **Relevant Coursework:** Computer Networking and Security, Computer System Security, and Machine Learning

EXPERIENCE

Ingest Technician

Jun. 2025 – Present

SimpleDCP

Burbank, CA

- Ingested and delivered client digital assets, ensuring accurate cataloging in asset management systems and maintaining data integrity for seamless integration into production workflows.
- Designed and implemented automated ingest workflow using n8n, streamlining file handling processes and increasing ingest productivity by 15% through reduced manual intervention.

Machine Learning Researcher

Aug. 2024 – Jan. 2025

ARCS (Associated with NASA and JPL)

Northridge, CA

- Conducted research with a team on improving 3D vehicle detection for real-time traffic flow monitoring.
- Proactively identified and resolved usability issues in a LiDAR visualization script by debugging logic flow and updating documentation, improving clarity for future users and maintaining correct image output.

IT Technician

May 2022 – Jan. 2024

2G Digital Post Inc

Burbank, CA

- Supported 125+ in-house and remote employees across all departments, resolving 100+ technical support tickets per week to ensure smooth operations and minimize downtime.
- Provisioned and managed user accounts and network access by creating and maintaining VPN credentials, granting whitelist permissions, setting up MFA, Outlook email accounts, and supporting in-house and remote staff across production, management, and delivery teams.
- Successfully led and contributed to Disney and Trusted Partner Network (TPN) security audits, demonstrating accountability in high-stakes environments and strong knowledge of business-critical security standards in media and entertainment.
- Frequently perform software updates and virus scans to maintain the proper functioning and security of production computers, virtual machines, laptops, and include various software and hardware installations.
- Resolved issues with audio/visual room equipment and production applications such as DaVinci Resolve and Teams ensuring seamless functionality for meetings, review sessions, and production workflows.
- Installed and configured ESET Endpoint Security across all company computers, connecting each device to a centralized management dashboard to enable real-time monitoring, streamlined updates, and improved security oversight for the IT team.

PROJECTS

AI Chatbot | Javascript, ChatGPT API, Node.js, Git, Render

Jan. 2024 – Dec. 2024

- Built a conversational AI chatbot Chrome extension using ChatGPT API and Node.js, capable of responding to user queries and performing advanced tasks like screenshot capability for faster insights.
- Integrated a fine-tuned GPT-4o model to enhancing the extension's functionality resulting in a 90% user satisfaction rate in beta testing.

Automation Script | Python, Automator, CLI

Jan. 2023 – May 2023

- Automated file management with Python and integrated Automator workflows, reducing manual work time by 70% and enabling other team members to easily reuse the script, improving overall IT efficiency.

TECHNICAL SKILLS

Programming Languages: Python (Automation), Bash Scripting, SQL, HTML/CSS, JavaScript, R (Data Analysis)

Operating Systems: Mac OS, Linux (Ubuntu/CentOS), Windows 10/11

IT Tools & Technologies: VMware ESXi, Cisco CLI, Active Directory, Office 365 Admin, Remote Desktop (TeamViewer), VPN Configuration, Ticketing Systems (Jira), Google Workspace, Dropbox, Zoom, ESET (Antivirus)

DevOps & Cloud: Amazon EC2/S3, Git, Docker, Render, CI/CD Pipelines