

ROLANDO PERA

IT professional and creative developer

Homestead, FL · rolypera@gmail.com · 786-602-9749 · web.rolypera.duckdns.org

Professional Summary:

Rolando Pera is an IT professional and creative developer based in South Florida with a BS in Information Technology and over two decades of hands-on experience across network administration, systems support, and creative software. He currently operates the RolyPeraWeb creative technology lab — designing and shipping browser-based tools, AI-assisted development workflows, 3D graphics experiments, and automation utilities. His work spans the full stack from infrastructure and networking to front-end development, computer graphics, and emerging AI agent orchestration. Bilingual in English and Spanish.

Current Work:

2024 – Present · Self-directed

Operating a personal creative technology lab focused on building, experimenting, and shipping projects across web development, AI, 3D graphics, and automation.

Web Development

Built the RolyPeraWeb site from scratch using Astro and TypeScript with a component-first architecture and dark creative-tech aesthetic. Developed multiple browser-based tools including a Circuit Load Calculator, EXIF Photo Cleaner, and PDF-to-Images converter — all running client-side with no server dependencies.

AI & Automation

Experimenting with LLM agent orchestration via Hermes Agent — building automated workflows for development tasks, research, and content generation. Created CLI utilities and scripts in Python and PowerShell for system automation, including dynamic DNS updaters and monitoring tools.

3D Graphics & Blender

Developing Blender add-ons (Copy Object To Selected — GPL-licensed, published with source), creating procedural materials, architectural studies, and abstract visual compositions. Producing WebGL renders and 360-degree immersive experiences with A-Frame.

Game Development

Prototyping retro-inspired playable experiments in the browser using Canvas and pixel art — exploring classic game mechanics, simple physics, and interactive controls.

Infrastructure & Operations

Managing self-hosted deployment on WSL/Windows, DuckDNS dynamic domains, and the systems that keep the lab running.

Technologies

Astro, TypeScript, JavaScript, Python, HTML/CSS, Blender, A-Frame, PowerShell, AutoHotkey, Git, LLM/AI agents

Professional Experience:

Maintenance and Support

2016 – Present · Homestead, FL|Sunrise Community

Provide maintenance and technical support across group home facilities and office environments. Handle facility upkeep, computer-related applications, and day-to-day IT support for residents and staff.

Customer Service Advisor

2014 – 2015|SEARS Auto Centers

Delivered professional and timely vehicle service recommendations, product solutions, and customer support in a fast-paced automotive retail environment.

Technician — Self-Employed

2012 – 2013|Future Wireless LLC

Repaired, assembled, and diagnosed a range of devices including desktop computers, laptops, tablets, and cell phones. Provided hands-on hardware troubleshooting and component-level repair services.

Carpenter and Designer

2006 – 2011|Belette's Custom Cabinets, Inc.

Designed and built custom cabinetry and solid-surface countertops. Performed preventative maintenance and repair of workshop machinery. Combined technical design skills with hands-on craftsmanship.

Owner and Manager

2004 – 2005|Pera-Designs, LLC

Managed company administration and staff supervision. Built and troubleshot computer systems and small networks. Produced computer graphics including photo retouching, restoration, printed materials, website designs, and 3D product visualizations.

Help Technician

2002 – 2004|Omnicroations, Inc.

Built, maintained, and troubleshot computer systems. Contributed to the creation and maintenance of the company website.

Mail Machine Operator

1995 – 2003|AIB Financial Group, Inc.

Managed day-to-day operations for mailing and correspondence handling. Assisted supervisors with daily operations management. Supported the IT department with troubleshooting and maintenance tasks.

Technical Skills:

Systems & Networking

- Microsoft server administration, setup, and configuration
- Network design, administration, and troubleshooting
- Desktop and mobile device assembly, repair, and upgrades
- Operating system installation and troubleshooting
- Infrastructure monitoring and diagnostics

Web Development

- Astro (static site generation, component-first architecture)
- TypeScript, JavaScript, HTML, CSS
- Client-side web applications and browser tools
- CDN-based library integration
- Git version control

Creative & Design

- 3D modeling, materials, and rendering in Blender
- Blender add-on development (Python, GPL licensing)
- Photo retouching and restoration
- Logo, flyer, business card, and invitation design
- 360-degree immersive experiences (A-Frame / WebGL)
- Pixel art and visual composition

AI & Automation

- Prompt engineering and AI-assisted development workflows
- Python scripting for CLI tools and API integrations
- PowerShell scripting and Windows automation
- AutoHotkey for desktop automation
- Dynamic DNS management and system utilities

Languages

- English — fluent
- Spanish — fluent