

PATRICK YU

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EXPERIENCE

Co-founder & CEO at Teracast Networks LLC, Self-Employed

Sep 2024 - Present

- Teracast is a multi-site, pre-seed startup offering server hosting, compute services, and design/build/operate IT managed services to developers, startups, and SMBs.
- Responsible for all financial (Quickbooks accounting & taxes), legal, web, brand, marketing, and Northeast Data Center Ops
- Co-manage all technical (i.e. hardware, networking, software, etc.), procurement, logistics, customer success, tech support, referral sales, HR, and staff (paid and interns).
- Build and operate \$150K+ of assets and equipment for the business; including systems and application management, compute, network, T1 ISP upstreams, PoP management, peering, routing security, cyber security, infrastructure maintenance, and other general technical and manageability work.
- Manage, develop, and facilitate software projects and internal tooling.
- Operating AS57974 for the business, including managing policy and sessions.
- Serve as on-site data center technician within our NYC PoP in carrier-hotel 60 Hudson.

Freelance Web Designer/Developer, Self-Employed

Dec 2021 - Present

- Used a variety of tools, programming languages, and low/no-code platforms for efficiency and simplicity.
- Established frequent communication, work-planned deliverables and fulfilled client needs.
- Experience in Figma and Adobe XD, including converting designs into React/Next.js code
- Expert in using HTML, CSS, JS, NextJS, React, Typescript, Bootstrap, Tailwind CSS, Wix, Webflow, Express, Node, etc.
- Deployed websites on NGINX, Apache, Vercel, Cloudflare Pages, etc.

Freelance Graphic Designer, Self-Employed

Nov 2018 - Present

- Facilitate and provide paid graphic design services to customers online.
- Design, render, and create graphics, logos, vector art, etc. to fulfill client requirements.
- Expertise in Figma, Adobe Photoshop, Adobe Illustrator, Inkscape, Canva, Blender.

EDUCATION

New York University, New York

Aug 2024 - Present

- BA in Computer Science, graduating in 2028

LEADERSHIP & VOLUNTEER

NYU Effective Altruism, Executive Board Member

Sep 2025 - Present

- Current executive board position in the NYU Effective Altruism student organization.
- Primary role as the webmaster of the organization. Ensuring active website updates & sleek intuitive design & code.

NYU Student Technology Advisory Council, Undergraduate Representative

Fall 2024

- Meet monthly with University IT leadership to discuss technology issues and suggestions

TECHNICAL CERTIFICATIONS

Cisco Networking Basics

February 26, 2025

Microsoft Office Excel® 2016 Specialist

January 15, 2021

Fortinet FortiGate 7.4 Operator

February 24, 2025

Microsoft Office Word 2016 Specialist

November 14, 2020

Fortinet Certified Associate Cybersecurity

February 24, 2025

TECHNICAL SKILLS

Languages: TypeScript, Rust, Java, Python, Lua

Data, AI, and Platforms: Cloudflare (Workers, AI Gateway, Zero Trust, R2, Images, etc.) PostgreSQL, OpenAI

Systems & Infra: Debian based Linux, Windows Server, Proxmox, VirtFusion, Virtualizor, TenantOS, MAAS, IPMI/Redfish, NetBox, LibreNMS, Docker (Incl. Docker Networking), K8s, Portainer

Networking & Cloud: Networking (VLANs, LACP, Subnetting, IPv4/IPv6, ACLs, Bridging, Trunking, etc.), BGP (JunOS, Bird, Communities, Blackholing), RPKI/IRR, DNS/rDNS, L2-L4 design, GRE/IPIP/WireGuard, AWS (EC2, S3, EKS, Lightsail, VPC, etc.), Vercel, Cloudflare, Fortinet, NetFlow/sFlow, Oxidized

Automation & Dev: Git, Bash, PowerShell, DevOps workflows, flexible with new frameworks/tools

Frontend & Design: HTML, CSS, JavaScript, TypeScript, React, Next.js, Tailwind CSS, Bootstrap, Express/Node.js, Webflow, Wix, NGINX/Apache deployment; Figma, Adobe XD, Photoshop, Illustrator, Inkscape, Blender, Canva