

# TECH ABBREVIATIONS

**AI (Artificial Intelligence):** Think of AI as a machine's ability to mimic human intelligence. It can learn from past experiences, grasp language, spot patterns, solve problems, and even make decisions.

**CAPTCHA (Completely Automated Public Turing test to tell Computers and Humans Apart):** CAPTCHA is a fun little test that helps computers figure out if you're human.

**DNS (Domain Name System):** The DNS is essentially the Internet's phonebook. When you type a website address like google.com or facebook.com into your browser, the DNS helps translate that domain name into an IP address, so your browser can load the website.

**FTP (File Transfer Protocol):** FTP is a standard way to move computer files between a client and a server on a computer network.

**GUI (Graphical User Interface):** A GUI is a type of user interface that lets you interact with electronic devices using graphical icons and visual cues, instead of just text.

**HTML (HyperText Markup Language):** HTML is the standard language used to create documents that are meant to be viewed in a web browser.

**HTTP (Hypertext Transfer Protocol):** Think of HTTP as the backbone of the

Web, the way it all connects and shares information.

**HTTPS (Hypertext Transfer Protocol Secure):** HTTPS is like the secure version of HTTP, making sure your data stays safe when you're online. Always double-check for HTTPS before entering any personal info, like your credit card number!

**ISP (Internet Service Provider):** An ISP is the company that helps you get online, whether it's Summit, Hotwire, Xfinity, or your local ISP.

**LAN (Local Area Network):** A LAN is a computer network that connects computers in a small area, like your home, school, lab, or office.

**NLP (Natural Language Processing):** NLP is a part of linguistics, computer science, and AI that focuses on how computers and people communicate through language.

**OS (Operating System):** Think of the OS as the brain of your computer, handling everything from the hardware to the software and making sure your programs run smoothly.

**PHP (Hypertext Preprocessor):** PHP is a widely used scripting language that's especially great for building websites.

**POP (Post Office Protocol):** POP is an Internet standard used by local email clients to get your emails from a server over a TCP/IP connection.

**RAM (Random Access Memory):** RAM is like your computer's short-term memory, allowing you to quickly access any piece of data.

**RFID (Radio-Frequency Identification):** uses electromagnetic fields to automatically identify and track tags attached to objects. These tags store information electronically.

**SMTP (Simple Mail Transfer Protocol):** SMTP is a way to send electronic mail.

**SSD (Solid-State Drive):** is a solid-state storage device that uses integrated circuit assemblies to store data permanently, usually using flash memory, and acts as secondary storage in a computer's storage system.

**TCP/IP (Transmission Control Protocol/Internet Protocol):** TCP/IP is a set of communication protocols that connect network devices on the Internet.

**UI (User Interface):** The UI is what you see and interact with on your device, including the screen, keyboard, mouse, and desktop.

**VPN (Virtual Private Network):** Creates a private network connection over a public network, so you can send and receive data as if you were connected directly to your private network.

**WAN (Wide Area Network):** A WAN is a telecommunications network that covers a large area, used for connecting computers.

**WPA (Wi-Fi Protected Access):** WPA is a security protocol that helps create secure wireless (Wi-Fi) networks.

**2FA (Two-factor Authentication):** 2FA adds an extra layer of security by requiring you to provide two different authentication factors to verify your identity.

**ZIP (Zip Archive):** ZIP is a file format that can compress data without losing any information. It can hold one or more files or folders that might have been compressed.



**JEFF BOHR**

Naples Mac Help



Jeff is your one-stop Mac expert, an  Certified Support Professional, and 40-year Mac user. He can be reached at [jeff@jeffbohr.com](mailto:jeff@jeffbohr.com) or 239.595.0482