

Bryce Servis

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Personal Statement

I am incredibly passionate about anything related to technology. My thirst for knowledge motivates me, and I know how to teach myself complex concepts to satisfy my curiosity. I love solving complex puzzles and problems with simple, optimized, and practical solutions.

Information Technology Experience

bryceserv.is (2025 – present)

- I built my responsive website using my modified fork of another open-source website template.
- I deployed the website using Vercel and later migrated it to my cloud infrastructure on Vultr and Cloudflare to mitigate vendor lock-in.
- Deployed my own email and Matrix servers alongside my website.
- Created security guidelines and enforced them across my cloud infrastructure.
- I built a Wireguard VPN tunnel to connect securely to my private cloud intranet from anywhere.

C Programming Language (2025 – present)

- Built my own TCP proxy application and socket programming library and reimplemented glibc malloc.
- Experience with the JetBrains integrated development environment, CMake, Make, GCC, and Visual Studio Code.
- Completely self-taught through online resources and independent study.

JavaScript Programming Language (2020 – present)

- Created a stock trading simulator through a chat platform that interacted with a MongoDB database to store real-time values and trades.
- Built simple web applications and frameworks.
- Implemented a Diffie-Hellman key exchange without the use of any external libraries.
- Experimented with many web frameworks such as Nuxt, Next, and React.
- Self-taught through online resources.

Java Programming Language (2023 – 2024)

- Tinkered with the Java programming language fundamentals throughout my computer science class.
- Outside of the classroom, I'd also tinker with Java's strong object-oriented functionality by creating a simple bytecode interpreter, which would help me understand concepts that would be essential for my goal of programming in low-level languages like C.

Homelab (2022 – 2024)

- I purchased a Dell PowerEdge R620, networking switch, and Raspberry Pi after working throughout the summer by helping my father's business put up banners and signs and landscaping for my parents and grandparents.
- Tinkered with virtual machines (KVM), PFSense, and Linux technologies.
- I set up my home intranet using PFSense, Linux networking, etc.
- Maintained the equipment by regularly cleaning, swapping thermal paste and pads, and replacing failed disks.
- I briefly used SFP fiber optics to provide cheap 10-gigabit networking from my rack to my computer.
- Tinkered with various Linux distributions in my own on-premises server.

Development Software

- Used GitHub to track my projects and deploy my website automatically whenever I made commits when I used Vercel.
- I have plenty of experience with Visual Studio Code and JetBrains integrated development environments.
- Experience deploying applications to the cloud through services like Google Cloud, Vultr, and Cloudflare.

Productivity Experience

Google Productivity Suite

- Well-versed in using Google documents, slides, sheets, and mail.
- I analyzed algorithmic trends from my stock market simulator project in Google Sheets, using many built-in functions.

Microsoft Office Suite

- Familiar with the Microsoft Office suite of applications such as Microsoft Word and Microsoft Excel.

Education

Metamora Township High School (2022 – 2026)

- Took AP Computer Science A early as a sophomore.
- Planning on taking a Game Design class in my senior year.
- Cumulative weighted GPA of 3.39.
- I participated in Scholastic Bowl throughout my freshman year; I didn't miss one computer science question.